

**TENTATIVE ORDER NO. R2-2006-00XX**  
**NPDES NO. CA0038776**

The following Discharger is authorized to discharge in accordance with the conditions set forth in this Order:

**Table 1. Discharger Information**

<b>Discharger</b>	City of Pacifica
<b>Name of Facility</b>	Calera Creek Water Recycling Plant
<b>Facility Address</b>	700 Coast Highway
	Pacifica, CA 94044
	San Mateo County

The Discharger is authorized to discharge from the following discharge point as set forth below:

**Table 2. Discharge Location**

<b>Discharge Point</b>	<b>Effluent Description</b>	<b>Discharge Point Latitude</b>	<b>Discharge Point Longitude</b>	<b>Receiving Water</b>
001	tertiary treated wastewater	37°, 36', 53" N	122°, 29', 16" W	Calera Creek

**Table 3. Administrative Information**

This Order was adopted by the Regional Water Board on:	<b>October 11, 2006</b>
This Order shall become effective on:	<b>November 1, 2006</b>
This Order shall expire on:	<b>October 31, 2011</b>
The U.S. Environmental Protection Agency (USEPA) and the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) have classified this discharge as a major discharge.	
The Discharger shall file a Report of Waste Discharge in accordance with Title 23 of the California Code of Regulations not later than 180 days in advance of the Order expiration date as application for issuance of new waste discharge requirements.	

IT IS HEREBY ORDERED, that Order Nos. 99-066 and R2-2002-0088 are rescinded upon the effective date of this Order except for enforcement purposes, and, in order to meet the provisions contained in Division 7 of the California Water Code (CWC) and regulations adopted therein, and the provisions of the federal Clean Water Act (CWA), and regulations and guidelines adopted therein, the Discharger shall comply with the requirements in this Order.

I, Bruce H. Wolfe, Executive Officer, do hereby certify the following is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 11, 2006.

---

Bruce H. Wolfe, Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
REGION 2, SAN FRANCISCO BAY REGION**

TENTATIVE ORDER NO. R2-2006-00XX  
NPDES NO. CA0038776

**Table of Contents**

I. Facility Information .....	1
II. Findings.....	1
III. Discharge Prohibitions.....	5
IV. Effluent Limitations and Discharge Specifications .....	5
V. Receiving Water Limitations .....	8
VI. Provisions.....	9
A. Standard Provisions.....	9
B. Monitoring and Reporting Program Requirements .....	9
C. Special Provisions .....	9
VII. Compliance Determination .....	16

**List of Tables**

Table 1. Discharger Information.....	1
Table 2. Discharge Location.....	1
Table 3. Administrative Information .....	1
Table 4. Facility Information .....	1
Table 5. Basin Plan Beneficial Uses .....	2
Table 6. Effluent Limitations .....	6
Table 7. Interim Effluent Limitations .....	7

**List of Attachments**

Attachment A – Definitions.....	A-1
Attachment B – Topographic Maps.....	B-1
Attachment C – Flow Schematic .....	C-1
Attachment D – Federal Standard Provisions.....	D-1
Attachment E – Monitoring and Reporting Program (MRP).....	E-1
Attachment F – Fact Sheet.....	F-1
Attachment G .....	G-1

The following documents, which make up Attachment G, are available on-line at  
<http://www.waterboards.ca.gov/sanfranciscobay/Download.htm>

- Letter of August 6, 2001 from the Regional Water Board to all Dischargers, Requirement for Monitoring of Pollutants in Effluent and Receiving Water to Implement New Statewide Regulations and Policy

- Resolution 74-10, Policy Regarding Waste Discharger's Responsibility to Develop and implement Contingency Plans to Assure Continuous Operation of facilities for the Collection ,Treatment, and Disposal of Waste.
- Self-Monitoring Program Part A (August 1993)
- Standard Provisions and Reporting Requirements for NPDES Surface Water Dischargers (August 1993)

## I. FACILITY INFORMATION

The following Discharger is authorized to discharge in accordance with the conditions set forth in this Order.

**Table 4. Facility Information**

<b>Discharger</b>	City of Pacifica
<b>Name of Facility</b>	Calera Creek Water Recycling Plant
<b>Facility Address</b>	700 Coast Highway
	Pacifica, CA 94044
	San Mateo County
<b>Facility Contact, Title, and Phone</b>	David Gromm, Plant Manager, (650) 738-4663
<b>Mailing Address</b>	170 Santa Maria Avenue, Pacifica, CA 94044
<b>Type of Facility</b>	POTW
<b>Facility Design Flow</b>	3.3 MGD (average dry weather capacity)
	7 MGD (peak dry weather capacity)
	20 MGD (peak wet weather capacity)

## II. FINDINGS

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter, the Regional Water Board), finds:

- A. **Background.** The City of Pacifica (hereinafter, the Discharger) is currently discharging under Order No. 99-066, as amended by Order No. R2-2002-0088, and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0038776. The Discharger submitted a Report of Waste Discharge (ROWD), dated May 05, 2004, and applied for renewal of its NPDES permit to discharge treated wastewater from the Calera Creek Water Recycling Plant.
- B. **Facility Description.** The Discharger owns and operates the Calera Creek Water Recycling Plant, which provides tertiary treatment of domestic wastewater from the City of Pacifica. Treated wastewater is discharged over a cascade aerator at Discharge Point 001 to Calera Creek, a water of the United States. From the point of discharge, Calera Creek flows approximately 0.52 miles to the Pacific Ocean through a restored wetland, which also drains intermittently and directly to the Pacific Ocean. The water surface elevation of the discharge at the cascade aerator is approximately 2 to 3 feet above the water surface elevation of Calera Creek during a 100-year storm event (i.e., at a creek flow of 800 cfs). The treatment plant has an average dry weather treatment capacity of 3.3 million gallons per day (MGD) and a peak dry weather capacity of 7 MGD, and was designed to treat a peak hourly wet weather flow of 20 MGD. Between 2001 and 2003, the CCWRP treated an average daily flow of 3.63 MGD. Attachment B to this Order is a topographic map showing the location of the facility. Attachment C is a flow schematic of the facility.
- C. **Legal Authorities.** This Order is issued pursuant to CWA Section 402 and implementing regulations adopted by the USEPA and CWC Chapter 5.5, Division 7. It shall serve as an NPDES permit for point source discharges from this facility to surface waters. This Order also serves as

Waste Discharge Requirements (WDRs) pursuant to CWC Article 4, Chapter 4 for discharges that are not subject to regulation under CWA Section 402.

- D. **Background and Rationale for Requirements.** The Regional Water Board developed the requirements in this Order based on information submitted as part of the ROWD, through monitoring and reporting programs, and through special studies. Attachments A through G, which contain background information and rationale for requirements of the Order, are hereby incorporated into this Order and, thus, constitute part of the Findings for this Order.
- E. **California Environmental Quality Act (CEQA).** This action to adopt an NPDES permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21100, et seq.) in accordance with CWC Section 13389.
- F. **Technology-Based Effluent Limitations.** NPDES regulations at 40 CFR 122.44 (a) require permits to include applicable technology-based limitations and standards. This Order includes limitations that meet both the technology-based secondary treatment standards for POTWs and protect the beneficial uses of the receiving waters. The Regional Water Board has considered the factors listed in CWC Section 13241 in establishing these requirements. A detailed discussion of development of technology-based effluent limitations is included in the Fact Sheet (Attachment F).
- G. **Water Quality-Based Effluent Limitations.** NPDES regulations at 40 CFR 122.44 (d) require permits to include water quality-based effluent limitations (WQBELs) to attain and maintain applicable numeric and narrative water quality criteria to protect the beneficial uses of the receiving water. Where numeric water quality objectives have not been established, 40 CFR 122.44 (d) specifies that WQBELs may be established using USEPA criteria guidance under CWA Section 304 (a), proposed State criteria or a State policy interpreting narrative criteria supplemented with other relevant information, or an indicator parameter. A detailed discussion of development of WQBELs is included in the Fact Sheet (Attachment F).
- H. **Water Quality Control Plans.** The Regional Water Board adopted a *Water Quality Control Plan for the San Francisco Bay Basin* (hereinafter, the Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. The Basin Plan does not specifically identify beneficial uses for Calera Creek, but describes the following beneficial uses for inland streams.

**Table 5. Basin Plan Beneficial Uses**

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Calera Creek	<ul style="list-style-type: none"> <li>• Agricultural Supply (AGR)</li> <li>• Industrial Process Supply (IND)</li> <li>• Groundwater Recharge (GWR)</li> <li>• Water Contact Recreation (REC-1)</li> <li>• Non-contact Water Recreation (REC-2)</li> <li>• Wildlife Habitat (WILD)</li> <li>• Cold Freshwater Habitat (COLD)</li> <li>• Warm Freshwater Habitat (WARM)</li> <li>• Fish Migration (MIGR)</li> <li>• Fish Spawning (SPWN).</li> </ul>

The State Water Board adopted a Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Water and Enclosed Bays and Estuaries of California (Thermal Plan) on May 18, 1972, and amended this plan on September 18, 1975. This plan contains temperature objectives for inland surface waters.

Requirements of this Order specifically implement the Basin Plan.

- I. **National Toxics Rule (NTR) and California Toxics Rule (CTR).** USEPA adopted the NTR on December 22, 1992 and amended it on May 4, 1995 and November 9, 1999. The CTR was adopted on May 18, 2000 and amended on February 13, 2001. These rules include water quality criteria for priority pollutants that are applicable to this discharge.
- J. **State Implementation Policy.** On March 2, 2000, the State Water Board adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP). The SIP became effective on April 28, 2000 with respect to the priority pollutant criteria promulgated for California by the USEPA through the NTR and to the priority pollutant objectives established by the Regional Water Board in the Basin Plan. The SIP became effective on May 18, 2000 with respect to the priority pollutant criteria promulgated by the USEPA through the CTR. The State Water Board adopted amendments to the SIP on February 24, 2005 that became effective on July 13, 2005. The SIP establishes implementation provisions for priority pollutant criteria and objectives and provisions for chronic toxicity control. Requirements of this Order implement the SIP.
- K. **Compliance Schedules and Interim Requirements.** Section 2.1 of the SIP provides that, based on a discharger's request and demonstration that it is infeasible to achieve immediate compliance with an effluent limitation derived from a CTR criterion, compliance schedules may be allowed in an NPDES permit. Unless an exception has been granted under Section 5.3 of the SIP, a compliance schedule may not exceed 5 years from the date that the permit is issued or reissued, nor may it extend beyond 10 years from the effective date of the SIP (or May 18, 2010) to establish and comply with CTR based effluent limitations. Where a compliance schedule for a final effluent limitation exceeds 1 year, the Order must include interim numeric limitations for that constituent or parameter. Where allowed by the Basin Plan, compliance schedules and interim effluent limitations or discharge specifications may also be granted to allow time to implement a new or revised water quality objective.

This Order includes a compliance schedule and interim effluent limitations for bis (2-ethylhexyl) phthalate. Discussion of the basis for the compliance schedule and interim effluent is included in the Fact Sheet (Attachment F).
- L. **Alaska Rule.** On March 30, 2000, USEPA revised its regulation that specifies when new and revised state and tribal water quality standards (WQS) become effective for CWA purposes. (40 C.F.R. § 131.21; 65 Fed. Reg. 24641 (April 27, 2000).) Under the revised regulation (also known as the Alaska rule), new and revised standards submitted to USEPA after May 30, 2000, must be approved by USEPA before being used for CWA purposes. The final rule also provides that standards already in effect and submitted to USEPA by May 30, 2000 may be used for CWA purposes, whether or not approved by USEPA.

- M. Stringency of Requirements for Individual Pollutants.** This Order contains restrictions on individual pollutants that are no more stringent than required by the federal CWA. Individual pollutant restrictions consist of technology-based restrictions and water quality-based effluent limitations. The technology-based effluent limitations consist of restrictions on BOD or CBOD, TSS, Oil and Grease, pH, and chlorine residual. Restrictions on these pollutants are specified in federal regulations and have been in the Basin Plan since before May 30, 2000, as discussed in the attached Fact Sheet, Attachment F. The permit's technology-based pollutant restrictions are no more stringent than required by the CWA. Water quality-based effluent limitations have been scientifically derived to implement water quality objectives that protect beneficial uses. Both the beneficial uses and the water quality objectives have been approved pursuant to federal law and are the applicable federal water quality standards. To the extent that toxic pollutant water quality-based effluent limitations were derived from the CTR, the CTR is the applicable standard pursuant to section 131.38. The scientific procedures for calculating the individual water quality-based effluent limitations are based on the CTR-SIP, which was approved by USEPA on May 18, 2000. Most beneficial uses and water quality objectives contained in the Basin Plan were approved under state law and submitted to and approved by USEPA prior to May 30, 2000. Any water quality objectives and beneficial uses submitted to USEPA prior to May 30, 2000, but not approved by USEPA before that date, are nonetheless "applicable water quality standards for purposes of the CWA" pursuant to section 131.21(c)(1). The remaining water quality objectives and beneficial uses implemented by this Order (specifically Arsenic, Cadmium, Chromium (VI), Copper (fresh water), Lead, Nickel, Silver (1-hour), Zinc) were approved by USEPA on January 5, 2005, and are applicable water quality standards pursuant to section 131.21(c)(2). Collectively, this Order's restrictions on individual pollutants are no more stringent than required to implement the technology-based requirements of the CWA and the applicable water quality standards for purposes of the CWA.
- N. Antidegradation Policy.** NPDES regulations at 40 CFR 131.12 require that State water quality standards include an antidegradation policy consistent with federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution 68-16, which incorporates the requirements of the federal antidegradation policy. Resolution 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. As discussed in detail in the Fact Sheet (Attachment F) the permitted discharge is consistent with the antidegradation provisions of 40 CFR 131.12 and State Water Board Resolution 68-16.
- O. Anti-Backsliding Requirements.** CWA Sections 402 (o) (2) and 303 (d) (4) and NPDES regulations at 40 CFR 122.44 (l) prohibit backsliding in NPDES permits. These anti-backsliding provisions require effluent limitations in a reissued permit to be as stringent as those in the previous permit, with some exceptions where limitations may be relaxed. As discussed in detail in the Fact Sheet (Attachment F), the limitations and conditions of this Order are consistent with all anti-backsliding requirements of the CWA and federal regulations.
- P. Monitoring and Reporting.** 40 CFR 122.48 requires that all NPDES permits specify requirements for recording and reporting monitoring results. CWC Sections 13267 and 13383 authorize the Regional Water Boards to require technical and monitoring reports. The Monitoring and Reporting Program (MRP) establishes monitoring and reporting requirements to implement federal and State requirements. This MRP is provided in Attachment E.
- Q. Standard and Special Provisions.** Standard Provisions, which apply to all NPDES permits in accordance with 40 CFR 122.41, and additional conditions applicable to specified categories of

permits in accordance with 40 CFR 122.42, are provided in Attachment D. The discharger must comply with all standard provisions and with those additional conditions that are applicable under 40 CFR 122.42. The Regional Water Board has also included in this Order special provisions applicable to the Discharger. A rationale for the special provisions contained in this Order is provided in the attached Fact Sheet.

- R. **Provisions and Requirements Implementing State Law.** The provisions/requirements in subsections IV.B, IV.C, and V.B of this Order are included to implement state law only. These provisions/requirements are not required or authorized under the federal CWA; consequently, violations of these provisions/requirements are not subject to the enforcement remedies that are available for NPDES violations.
- S. **Notification of Interested Parties.** The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe WDRs for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Details of notification are provided in the Fact Sheet (Attachment F of this Order).
- T. **Consideration of Public Comment.** The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge. Details of the Public Hearing are provided in the Fact Sheet (Attachment F) of this Order.

### III. DISCHARGE PROHIBITIONS

- A. Discharge of wastewater at a location or in a manner different from that described by this Order is prohibited.
- B. The bypass or overflow of untreated or partially treated wastewater to waters of the State is prohibited, except as described at 40 CFR 122.41 (m) (4) and in A.12 of the *Standard Provisions and Reporting Requirements for NPDES Surface Water Discharge Permits, August 1993* (**Attachment G**) of this Order.
- C. Discharge rates (MGD) shall not exceed the design capacities of the treatment facility, described by the Discharger as 3.3 MGD (average dry weather capacity determined over three consecutive dry weather months each year).

### IV. EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS

#### A. Effluent Limitations – Discharge Point 001

##### 1. Final Effluent Limitations – Discharge Point 001

- a. The discharge of tertiary treated wastewater to Calera Creek shall maintain compliance with the following effluent limitations at Discharge Point 001, with compliance measured at Monitoring Location E-001 as described in the attached Monitoring and Reporting Program (Attachment E).



**Table 6. Effluent Limitations**

Parameter	Units	Final Effluent Limits		
		Daily Maximum	Monthly Average	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C (BOD <sub>5</sub> )	mg/l	20	10	---
Total Suspended Solids (TSS)	mg/l	20	10	---
Oil and Grease	mg/l	10	5	---
Turbidity	NTU	---	---	10
Ammonia-Nitrogen (NH <sub>3</sub> -N)				---
Dry Season (June – Sept.)	mg/l	5	2	---
Wet Season (Oct. – May)	mg/l	10	5	---
Copper	µg/l	16	10	---
Lead	µg/l	6.0	3.9	---
Mercury	µg/l	0.046	0.017	---
Cyanide	µg/l	7.8	4.5	---
Bis(2-ethylhexyl)phthalate	µg/l	15 <sup>[1]</sup>	6.0 <sup>[1]</sup>	---

<sup>[1]</sup> Final limitations for bis (2-ethylhexyl) phthalate shall become effective on May 18, 2010 in accordance with the compliance schedule established by provision IV. A. 2 of this Order.

- b. **85 Percent Removal:** The arithmetic mean of the BOD<sub>5</sub> and TSS values, by concentration, for effluent samples collected in each calendar month shall not exceed 15 percent of the arithmetic mean of the respective values, by weight, for influent samples collected at approximately the same times during the same period.
- c. **pH:** The pH of the discharge shall not exceed 8.5 nor be less than 6.5.
- d. **Fecal Coliform Bacteria:**
  - (1) The geometric mean value of the last five samples for fecal coliform density shall not exceed a Most Probable Number (MPN) of fecal coliform bacteria of 200 MPN/100 ml; and
  - (2) The 90<sup>th</sup> percentile value of the last ten samples shall not exceed a fecal coliform bacteria level of 400 MPN/100 ml.
- e. **Whole Effluent Acute Toxicity:** Representative samples of the discharge at Discharge Point 001 shall meet the following limits for acute toxicity. Compliance with these limits shall be achieved in accordance with Section V of the attached MRP (Attachment E):
  - (1) Acute toxicity of effluent limits shall be evaluated by measuring survival of test organisms exposed to 96-hour flow through bioassays.
  - (2) The following test species must be used: fathead minnow (*Pimephales promelas*), or rainbow trout (*Oncorhynchus mykiss*) unless the Discharger has shown to the satisfaction of the Executive Officer that 1) there has not been exceedance of the

acute toxicity limitation for at least 3 years, and 2) acute toxicity has been observed in only one of the test species.

- (3) All bioassays shall be performed according to 40 CFR 136, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (the 5<sup>th</sup> or more recent edition. Exceptions may be granted to the Discharger by the Executive Officer and the Environmental Laboratory Accreditation Program (ELAP.)
- (4) The survival of bioassay test organisms in 96-hour flow-through bioassays of undiluted effluent shall be:
  - (a) An eleven (11)-sample median value of not less than 90 percent survival; and
  - (b) An eleven (11)-sample 90<sup>th</sup> percentile value of not less than 70 percent survival.
- (5) These acute toxicity limits are further defined as follows:
  - (a) 11-sample median limit: Any bioassay test showing survival of 90 percent or greater is not a violation of this limit. A bioassay test showing survival of less than 90 percent represents a violation of this effluent limit, if five or more of the past ten or fewer bioassay tests also show less than 90 percent survival.
  - (b) 90<sup>th</sup> percentile limit: Any bioassay test showing survival of 70 percent or greater is not a violation of this limit. A bioassay test showing survival of less than 70 percent represents a violation of this effluent limit, if one or more of the past ten or fewer bioassay tests also show less than 70 percent survival.

## 2. Interim Effluent Limitations

The following interim effluent limitations for bis (2-ethylhexyl) phthalate shall become effective on the effective date of this Order and apply in lieu of the corresponding final effluent limitations specified for the same parameter in IV.A.1.a of this Order.

**Table 7. Interim Effluent Limitations**

Pollutant	Units	Daily Maximum
bis (2-ethylhexyl) phthalate	µg/L	21

### B. Land Discharge Specifications

Not Applicable.

### C. Reclamation Specifications

Not Applicable.

## V. RECEIVING WATER LIMITATIONS

### A. Surface Water Limitations

Receiving water limitations are based on water quality objectives contained in the Basin Plan and are a required part of this Order. The discharge shall not cause the following in Calera Creek:

1. The discharge shall not cause the following conditions to exist in waters of the State at any place:
  - a. Floating, suspended, or deposited microscopic particulate matter or foam in concentrations that cause nuisance or adversely affect beneficial uses;
  - b. Bottom deposits or aquatic growths to the extent that such deposits or growths cause nuisance or adversely affect beneficial uses;
  - c. Alterations of temperature, turbidity, or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended, or deposited oil or other products of petroleum origin; and
  - e. Toxic or other deleterious substances to be present in concentrations or quantities, which will cause deleterious effects on wildlife, waterfowl, or other aquatic biota, or which render any of these unfit for human consumption, either at levels created in the receiving waters or as a result of biological concentration.
2. The discharges shall not cause nuisance, or adversely affect the beneficial uses of the receiving water.
3. The discharges shall not cause the following limits to be exceeded in waters of the State at any one place within one foot of the water surface:
  - a. Dissolved Oxygen: 7.0 mg/L, minimum  
  
The median dissolved oxygen concentration for any three consecutive months shall not be less than 80% of the dissolved oxygen content at saturation. When natural factors cause concentrations less than that specified above, then the discharges shall not cause further reduction in ambient dissolved oxygen concentrations.
  - b. Dissolved Sulfide: Natural background levels
  - c. pH: The pH shall not be depressed below 6.5 nor raised above 8.5, nor caused to vary from normal ambient pH by more than 0.5 Standard Units.

### B. Groundwater Limitations

Not Applicable.

## VI. PROVISIONS

### A. Standard Provisions

1. **Federal Standard Provisions.** The Discharger shall comply with all Standard Provisions included in Attachment D of this Order.
2. **Regional Water Board Standard Provisions.** The Discharger shall comply with all applicable items of the *Standard Provisions and Reporting Requirements, August 1993* (Attachment G), including any amendments thereto. Where provisions or reporting requirements specified in this Order are different from equivalent or related provisions or reporting requirements given in the Standard Provisions, the specifications of this Order shall apply.

### B. Monitoring and Reporting Program Requirements

The Discharger shall comply with the Monitoring and Reporting Program, and future revisions thereto, in Attachment E of this Order. The Program includes monitoring for conventional, non-conventional, and toxic pollutants in influent, effluent, and receiving water, as well as requirements to record observations made on the site of the POTW and within the collection system.

### C. Special Provisions

1. **Reopener Provisions.** The Regional Water Board may modify or reopen this Order prior to its expiration date in any of the following circumstances:
  - a. If present or future investigations demonstrate that the discharge governed by this Order will, or cease to, have adverse impacts on water quality and/or beneficial uses of the receiving waters.
  - b. As new or revised WQOs come into effect for surface waters of the State (whether statewide, regional, or site-specific.) In such cases, effluent limitations in this Order will be modified as necessary to reflect updated WQOs.
  - c. If translator or other water quality studies provide a basis for determining that a permit condition(s) should be modified.
  - d. An administrative or judicial decision on a separate NPDES permit or WDR that addresses requirements similar to this discharge; and
  - e. As authorized by law.

The Discharger may request permit modification based on b, c, d, and e above. The Discharger shall include in any such request an antidegradation and antibacksliding analysis.

### 2. Special Studies, Technical Reports and Additional Monitoring Requirements

- a. **Wetlands Monitoring.**

The Discharger shall continue to comply with applicable provisions of California Coastal Commission Development Permit Nos. 1-95-40 (granted on January 11, 1996) and 1-95-59 (granted on February 7, 1996) pertaining to wetlands monitoring.

**b. Characterization of Receiving Water and Effluent for Toxic Pollutants.**

The Discharger shall continue to monitor and evaluate receiving water and the discharge from Discharge Point 001 (measured at M-001) for the constituents listed in Enclosure A of the Regional Water Board's August 6, 2001 Letter, according to the sampling frequency specified in the attached Monitoring and Reporting Program (Attachment E). Compliance with this requirement shall be achieved in accordance with the specifications stated in the Regional Water Board's August 6, 2001 Letter under "Effluent Monitoring for Major Discharger" And "Receiving Water Monitoring for Dischargers to Upland Freshwater and Streams."

The Discharger shall evaluate on an annual basis if concentrations of any constituent increase over past performance. Furthermore, if that increase would result in reasonable potential to cause or contribute to an excursion above applicable WQO/WQC for constituents without effluent limitations in this Order, the Discharger shall investigate the source of the increase. The investigation may include, but need not be limited to, an increase in the effluent monitoring frequency, monitoring of internal process streams, and monitoring of influent sources. This may be satisfied through identification of these constituents as "Pollutants of Concern" in the Discharger's Pollutant Minimization Program described in Provision VI. C. 3, below. A summary of the annual evaluation of data and source investigation activities shall also be reported in the annual self-monitoring report.

A final report that presents all the data shall be submitted to the Regional Water Board no later than 180 days prior to the Order expiration date. This final report shall be submitted with the application for permit reissuance.

**c. Chronic Toxicity Screening**

The Discharger shall perform Chronic Toxicity Screening Phase study as described in Appendix E-1 and E-2 of the Monitoring and Reporting Program (Attachment E). The Discharger shall conduct this study anytime during the term of this Order but no later than 180 days prior to the expiration date, and shall submit a final report describing the results with the application for permit reissuance.

**3. Best Management Practices and Pollution Minimization Program**

- a. The Discharger shall continue to implement and improve, in a manner acceptable to the Executive Officer, its existing Pollutant Minimization Program to reduce pollutant loadings of bis(2-ethylhexyl)phthalate to the treatment plant and therefore to the receiving waters. The Discharger shall implement any applicable additional pollutant minimization measures described in Basin Plan.

- b. The Discharger shall submit an annual report, acceptable to the Executive Officer, no later than February 28th of each calendar year. The annual report shall cover January through December of the preceding year. Each annual report shall include at least the following information:
- (1) A brief description of its treatment plant, treatment plant processes and service area.
  - (2) A discussion of the current pollutants of concern. Periodically, the Discharger shall determine which pollutants are currently a problem and/or which pollutants may be potential future problems. This discussion shall include the reasons why the pollutants were chosen.
  - (3) Identification of sources for the pollutants of concern. This discussion shall include how the Discharger intends to estimate and identify pollutant sources. The Discharger should also identify sources or potential sources not directly within the ability or authority of the Discharger to control, such as pollutants in the potable water supply and air deposition.
  - (4) Identification of tasks to reduce the sources of the pollutants of concern. This discussion shall identify and prioritize tasks to address the Discharger's pollutants of concern. The Discharger may implement the tasks themselves or participate in group, regional, or national tasks that will address its pollutants of concern whenever it is efficient and appropriate to do so. A time line shall be included for the implementation of each task.
  - (5) Outreach to employees. The Discharger shall inform its employees about the pollutants of concern, potential sources, and how they might be able to help reduce the discharge of these pollutants. The Discharger may provide a forum for employees to provide input to the program.
  - (6) Continuation of Public Outreach Program. The Discharger shall prepare a public outreach program to communicate pollution minimization measures to its service area. Outreach may include participation in existing community events such as county fairs, initiating new community events such as displays and contests during Pollution Prevention Week, conducting school outreach programs, conducting plant tours, and providing public information in various media. Information shall be specific to target audiences. The Discharger shall coordinate with other agencies as appropriate.
  - (7) Discussion of criteria used to measure Program's and tasks' effectiveness. The Discharger shall establish criteria to evaluate the effectiveness of its Pollution Minimization Program. This discussion shall include of the specific criteria used to measure the effectiveness of each of the tasks in item b (3), b (4), b (5), and b (6).
  - (8) Documentation of efforts and progress. This discussion shall detail all of the Discharger's activities in the Pollution Minimization Program during the reporting year.
  - (9) Evaluation of Program's and tasks' effectiveness. The Discharger shall use the criteria established in b (2) to evaluate the Program's and tasks' effectiveness.

- (10) Identification of specific tasks and time schedules for future efforts. Based on the evaluation, the Discharger shall detail how it intends to continue or change its tasks to more effectively reduce the amount of pollutants to the treatment plant and subsequently its effluent.

c. Pollutant Minimization Program for Reportable Priority Pollutants

A priority pollutant is a "reportable priority pollutant" when there is evidence (e.g., sample results reported as Detected but Not Quantified (DNQ) when the effluent limitation is less than the Method Detection Limit, sample results from analytical methods more sensitive than those methods required by this Order, presence of whole effluent toxicity, health advisories for fish consumption, results of benthic or aquatic organism tissue sampling) that that priority pollutant is present in the effluent above an effluent limitation and either:

- (1) A sample result is reported as DNQ and the effluent limitation is less than the Reporting Limit; or
- (2) A sample result is reported as Non Detect and the effluent limitation is less than the Method Detection Limit, using definitions described in the State Implementation Policy (SIP).

The Discharger shall expand its Pollutant Minimization Program for reportable priority pollutants to include, but not be limited to, the following actions and submittals acceptable to the Regional Water Board:

- (1) An annual review and semi-annual monitoring of potential sources of the reportable priority pollutant(s), which may include fish tissue monitoring and other bio-uptake sampling;
- (2) Quarterly monitoring for the reportable priority pollutant(s) in the influent to the wastewater treatment system;
- (3) Submittal of a control strategy designed to proceed toward the goal of maintaining concentrations of the reportable priority pollutant(s) in the effluent at or below the effluent limitation;
- (4) Implementation of appropriate cost-effective control measures for the reportable priority pollutant(s), consistent with the control strategy; and
- (5) Inclusion of the following items for the reportable priority pollutant(s) in the annual report required by 3.b. above:
  - All Pollutant Minimization Program monitoring results for the previous year;
  - A list of potential sources of the reportable priority pollutant(s);
  - A summary of all actions undertaken pursuant to the control strategy; and

- A description of actions to be taken in the following year.

#### **4. Technical Reports – bis(2-ethylhexyl)phthalate**

To achieve compliance with final effluent limitations for bis(2-ethylhexyl)phthalate by May 18, 2010, the Discharger shall provide updates in its annual self-monitoring reports that describe the Discharger's efforts to reduce discharges over the past year and future efforts planned to ensure compliance.

#### **5. Construction, Operation and Maintenance Specifications**

##### **a. Wastewater Facilities, Review and Evaluation, and Status Reports**

- (1) The Discharger shall operate and maintain its wastewater collection, treatment, and disposal facilities in a manner to ensure that all facilities are adequately staffed, supervised, financed, operated, maintained, repaired, and upgraded as necessary, in order to provide adequate and reliable transport, treatment, and disposal of all wastewater from both existing and planned future wastewater sources under the Discharger's service responsibilities.
- (2) The Discharger shall regularly review and evaluate its wastewater facilities and operation practices in accordance with section a.(1) above. Reviews and evaluations shall be conducted as an ongoing component of the Discharger's administration of its wastewater facilities.
- (3) The Discharger shall provide the Executive Officer, upon request, a report describing the current status of its wastewater facilities and operation practices, including any recommended or planned actions and an estimated time schedule for these actions. The Discharger shall also include, in each annual self-monitoring report, a description or summary of review and evaluation procedures, and applicable wastewater facility programs or capital improvement projects.

##### **b. Operations and Maintenance Manual (O&M), Review and Status Reports**

- (1) The Discharger shall maintain an O&M Manual as described in the findings of this Order for the Discharger's wastewater facilities. The O&M Manual shall be maintained in usable condition and be available for reference and use by all applicable personnel.
- (2) The Discharger shall regularly review, revise, or update, as necessary, the O&M Manual(s) so that the document(s) may remain useful and relevant to current equipment and operation practices. Reviews shall be conducted annually, and revisions or updates shall be completed as necessary. For any significant changes in treatment facility equipment or operation practices, applicable revisions shall be completed within 90 days of completion of such changes.
- (3) The Discharger shall provide the Executive Officer, upon request, a report describing the current status of its O&M manual, including any recommended or planned actions and an estimated time schedule for these actions. The Discharger shall also include, in



each annual self-monitoring report, a description or summary of review and evaluation procedures and applicable changes to its operations and maintenance manual.

**c. Contingency Plan, Review and Status Reports**

- (1) The Discharger shall maintain a Contingency Plan as required by Regional Water Board Resolution 74-10 (**Attachment G**) and as prudent in accordance with current municipal facility emergency planning. The discharge of pollutants in violation of this Order where the Discharger has failed to develop and/or adequately implement a Contingency Plan will be the basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.
- (2) The Discharger shall regularly review and update, as necessary, the Contingency Plan so that the plan may remain useful and relevant to current equipment and operation practices. Reviews shall be conducted annually, and updates shall be completed as necessary.
- (3) The Discharger shall provide the Executive Officer, upon request, a report describing the current status of its Contingency Plan review and update. The Discharger shall also include, in each annual self-monitoring report, a description or summary of review and evaluation procedures and applicable changes to its Contingency Plan.

**6. Special Provisions for Municipal Facilities (POTWs Only)**

**a. Pretreatment Program**

N/A

**b. Sludge Management Practices Requirements**

- (1) All biosolids generated by the Discharger must be disposed of in a municipal solid waste landfill, reused by land application, or disposed of in a sludge-only landfill in accordance with 40 CFR §503. If the Discharger desires to dispose of sludge by a different method, a request for permit modification must be submitted to USEPA 180 days before start-up of the alternative disposal practice. All the requirements in 40 CFR §503 are enforceable by USEPA whether or not they are stated in an NPDES permit or other permit issued to the Discharger. The Regional Water Board should be copied on relevant correspondence and reports forwarded to USEPA regarding sludge management practices.
- (2) Sludge treatment, storage and disposal or reuse shall not create a nuisance, such as objectionable odors or flies, or result in groundwater contamination.
- (3) The Discharger shall take all reasonable steps to prevent or minimize any sludge use or disposal which has a likelihood of adversely affecting human health or the environment.

- (4) The discharge of biosolids shall not cause waste material to be in a position where it is or can be carried from the sludge treatment and storage site and deposited in waters of the State.
- (5) The sludge treatment and storage site shall have facilities adequate to divert surface runoff from adjacent areas, to protect boundaries of the site from erosion, and to prevent any conditions that would cause drainage from the materials in the temporary storage site. Adequate protection is defined as protection from at least a 100-year storm and protection from the highest possible tidal stage that may occur.
- (6) For sludge that is applied to the land, placed on a surface disposal site, or fired in a biosolids incinerator as defined in 40 CFR §503, the Discharger shall submit an annual report to USEPA and the Regional Water Board containing monitoring results and pathogen and vector attraction reduction requirements as specified by 40 CFR §503, postmarked February 15 of each year, for the period covering the previous calendar year.
- (7) Sludge that is disposed of in a municipal solid waste landfill must meet the requirements of 40 CFR §258. In the annual self-monitoring report, the Discharger shall include the amount of sludge disposed of and the landfill(s) to which it was sent.
- (8) Permanent on-site sludge storage or disposal activities are not authorized by this permit. A report of Waste Discharge shall be filed and the site brought into compliance with all applicable regulations prior to commencement of any such activity by the Discharger.
- (9) Sludge Monitoring and Reporting Provisions of this Regional Water Board's Standard Provisions (**Attachment G**), apply to sludge handling, disposal and reporting practices.
- (10) The Regional Water Board may amend this permit prior to expiration if changes occur in applicable state and federal sludge regulations.

**c. Sanitary Sewer Overflows and Sewer System Management Plan**

The Discharger's collection system is part of the facility that is subject to this Order. As such, the Discharge must properly operate and maintain its collection system (Attachment D, Standard Provisions - Permit Compliance, subsection I.D). The Discharger must report any noncompliance (Attachment D, Standard Provision - Reporting, subsections V.E.1 and V.E.2), and mitigate any discharge from the Discharger's collection system in violation of this Order (Attachment D, Standard Provisions - Permit Compliance, subsection I.C). The General Waste Discharge Requirements for Collection System Agencies (Order No. 2006-0003 DWQ) has requirements for operation and maintenance of collection systems and for reporting and mitigating sanitary sewer overflows. Compliance with these requirements will also satisfy the federal NPDES requirements specified in this Order. Furthermore, the Discharger shall comply with the schedule for development of sewer system management plans (SSMPs) as indicated in the letter issued by the Regional Water Board on July 7, 2005, pursuant to Water Code Section 13267. Until the statewide on-line reporting system becomes operational, the Discharger shall

report sanitary sewer overflows electronically according to the Regional Water Board's SSO reporting program.

## **VII. COMPLIANCE DETERMINATION**

Compliance with the effluent limitations contained in Section IV of this Order will be determined as specified below:

### **A. Average Monthly Effluent Limitation (AMEL).**

If the average of daily discharges over a calendar month exceeds the AMEL for a given parameter, an alleged violation will be flagged and the discharger will be considered out of compliance for each day of that month for that parameter (e.g., resulting in 31 days of non-compliance in a 31-day month). The average of daily discharges over the calendar month that exceeds the AMEL for a parameter will be considered out of compliance for that month only. If only a single sample is taken during the calendar month and the analytical result for that sample exceeds the AMEL, the discharger will be considered out of compliance for that calendar month. For any one calendar month during which no sample (daily discharge) is taken, no compliance determination can be made for that calendar month.

### **B. Maximum Daily Effluent Limitation (MDEL).**

If a daily discharge exceeds the MDEL for a given parameter, an alleged violation will be flagged and the discharger will be considered out of compliance for that parameter for that one day only within the reporting period. For any one day during which no sample is taken, no compliance determination can be made for that day.

### **C. Instantaneous Minimum Effluent Limitation.**

If the result of a single grab sample is lower than the instantaneous minimum effluent limitation for a parameter, a violation will be flagged and the Discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both are lower than the instantaneous effluent limitation would result in two instances of non-compliance with the instantaneous effluent limitation.)

### **D. Instantaneous Maximum Effluent Limitation.**

If the analytical result of a single grab sample is higher than the instantaneous maximum effluent limitation for a parameter, a violation will be flagged and the discharger will be considered out of compliance for that parameter for that single sample. Non-compliance for each sample will be considered separately (e.g., the results of two grab samples taken within a calendar day that both exceed the instantaneous maximum effluent limitation would result in two instances of non-compliance with the instantaneous maximum effluent limitation).



## ATTACHMENT A – DEFINITIONS

**Arithmetic Mean** ( $\mu$ ), also called the average, is the sum of measured values divided by the number of samples. For ambient water concentrations, the arithmetic mean is calculated as follows:

$$\text{Arithmetic mean} = \mu = \Sigma x / n \quad \text{where: } \Sigma x \text{ is the sum of the measured ambient water concentrations, and } n \text{ is the number of samples.}$$

**Average Monthly Effluent Limitation (AMEL):** the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

**Average Weekly Effluent Limitation (AWEL):** the highest allowable average of daily discharges over a calendar week (Sunday through Saturday), calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

**Bioaccumulative** pollutants are those substances taken up by an organism from its surrounding medium through gill membranes, epithelial tissue, or from food and subsequently concentrated and retained in the body of the organism.

**Carcinogenic** pollutants are substances that are known to cause cancer in living organisms.

**Coefficient of Variation (CV)** is a measure of the data variability and is calculated as the estimated standard deviation divided by the arithmetic mean of the observed values.

**Daily Discharge:** Daily Discharge is defined as either: (1) the total mass of the constituent discharged over the calendar day (12:00 am through 11:59 pm) or any 24-hour period that reasonably represents a calendar day for purposes of sampling (as specified in the permit), for a constituent with limitations expressed in units of mass or; (2) the unweighted arithmetic mean measurement of the constituent over the day for a constituent with limitations expressed in other units of measurement (e.g., concentration).

The daily discharge may be determined by the analytical results of a composite sample taken over the course of one day (a calendar day or other 24-hour period defined as a day) or by the arithmetic mean of analytical results from one or more grab samples taken over the course of the day.

For composite sampling, if 1 day is defined as a 24-hour period other than a calendar day, the analytical result for the 24-hour period will be considered as the result for the calendar day in which the 24-hour period ends.

**Detected, but Not Quantified (DNQ)** are those sample results less than the RL, but greater than or equal to the laboratory's MDL.

**Dilution Credit** is the amount of dilution granted to a discharge in the calculation of a water quality-based effluent limitation, based on the allowance of a specified mixing zone. It is calculated from the dilution ratio or determined through conducting a mixing zone study or modeling of the discharge and receiving water.

**Effluent Concentration Allowance (ECA)** is a value derived from the water quality criterion/objective, dilution credit, and ambient background concentration that is used, in conjunction with the coefficient of

variation for the effluent monitoring data, to calculate a long-term average (LTA) discharge concentration. The ECA has the same meaning as waste load allocation (WLA) as used in U.S. EPA guidance (Technical Support Document For Water Quality-based Toxics Control, March 1991, second printing, EPA/505/2-90-001).

**Enclosed Bays** means indentations along the coast that enclose an area of oceanic water within distinct headlands or harbor works. Enclosed bays include all bays where the narrowest distance between the headlands or outermost harbor works is less than 75 percent of the greatest dimension of the enclosed portion of the bay. Enclosed bays include, but are not limited to, Humboldt Bay, Bodega Harbor, Tomales Bay, Drake's Estero, San Francisco Bay, Morro Bay, Los Angeles-Long Beach Harbor, Upper and Lower Newport Bay, Mission Bay, and San Diego Bay. Enclosed bays do not include inland surface waters or ocean waters.

**Estimated Chemical Concentration** is the estimated chemical concentration that results from the confirmed detection of the substance by the analytical method below the ML value.

**Estuaries** means waters, including coastal lagoons, located at the mouths of streams that serve as areas of mixing for fresh and ocean waters. Coastal lagoons and mouths of streams that are temporarily separated from the ocean by sandbars shall be considered estuaries. Estuarine waters shall be considered to extend from a bay or the open ocean to a point upstream where there is no significant mixing of fresh water and seawater. Estuarine waters included, but are not limited to, the Sacramento-San Joaquin Delta, as defined in Water Code section 12220, Suisun Bay, Carquinez Strait downstream to the Carquinez Bridge, and appropriate areas of the Smith, Mad, Eel, Noyo, Russian, Klamath, San Diego, and Otay rivers. Estuaries do not include inland surface waters or ocean waters.

**Inland Surface Waters** are all surface waters of the State that do not include the ocean, enclosed bays, or estuaries.

**Instantaneous Maximum Effluent Limitation:** the highest allowable value for any single grab sample or aliquot (i.e., each grab sample or aliquot is independently compared to the instantaneous maximum limitation).

**Instantaneous Minimum Effluent Limitation:** the lowest allowable value for any single grab sample or aliquot (i.e., each grab sample or aliquot is independently compared to the instantaneous minimum limitation).

**Maximum Daily Effluent Limitation (MDEL)** means the highest allowable daily discharge of a pollutant, over a calendar day (or 24-hour period). For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the arithmetic mean measurement of the pollutant over the day.

**Median** is the middle measurement in a set of data. The median of a set of data is found by first arranging the measurements in order of magnitude (either increasing or decreasing order). If the number of measurements ( $n$ ) is odd, then the median =  $X_{(n+1)/2}$ . If  $n$  is even, then the median =  $(X_{n/2} + X_{(n/2)+1})/2$  (i.e., the midpoint between the  $n/2$  and  $n/2+1$ ).

**Method Detection Limit (MDL)** is the minimum concentration of a substance that can be measured and reported with 99 percent confidence that the analyte concentration is greater than zero, as defined in title 40 of the Code of Federal Regulations, Part 136, Attachment B, revised as of July 3, 1999.

**Minimum Level (ML)** is the concentration at which the entire analytical system must give a recognizable signal and acceptable calibration point. The ML is the concentration in a sample that is equivalent to the concentration of the lowest calibration standard analyzed by a specific analytical procedure, assuming that all the method specified sample weights, volumes, and processing steps have been followed.

**Mixing Zone** is a limited volume of receiving water that is allocated for mixing with a wastewater discharge where water quality criteria can be exceeded without causing adverse effects to the overall water body.

**Not Detected (ND)** are those sample results less than the laboratory's MDL.

**Ocean Waters** are the territorial marine waters of the State as defined by California law to the extent these waters are outside of enclosed bays, estuaries, and coastal lagoons. Discharges to ocean waters are regulated in accordance with the State Water Board's California Ocean Plan.

**Persistent** pollutants are substances for which degradation or decomposition in the environment is nonexistent or very slow.

**Pollutant Minimization Program (PMP)** means waste minimization and pollution prevention actions that include, but are not limited to, product substitution, waste stream recycling, alternative waste management methods, and education of the public and businesses. The goal of the PMP shall be to reduce all potential sources of a priority pollutant(s) through pollutant minimization (control) strategies, including pollution prevention measures as appropriate, to maintain the effluent concentration at or below the water quality-based effluent limitation. Pollution prevention measures may be particularly appropriate for persistent bioaccumulative priority pollutants where there is evidence that beneficial uses are being impacted. The Regional Water Board may consider cost effectiveness when establishing the requirements of a PMP. The completion and implementation of a Pollution Prevention Plan, if required pursuant to Water Code section 13263.3(d), shall be considered to fulfill the PMP requirements.

**Pollution Prevention** means any action that causes a net reduction in the use or generation of a hazardous substance or other pollutant that is discharged into water and includes, but is not limited to, input change, operational improvement, production process change, and product reformulation (as defined in Water Code section 13263.3). Pollution prevention does not include actions that merely shift a pollutant in wastewater from one environmental medium to another environmental medium, unless clear environmental benefits of such an approach are identified to the satisfaction of the State or Regional Water Board.

**Reporting Level (RL)** is the ML (and its associated analytical method) chosen by the Discharger for reporting and compliance determination from the MLs included in this Order. The MLs included in this Order correspond to approved analytical methods for reporting a sample result that are selected by the Regional Water Board either from Appendix 4 of the SIP in accordance with section 2.4.2 of the SIP or established in accordance with section 2.4.3 of the SIP. The ML is based on the proper application of method-based analytical procedures for sample preparation and the absence of any matrix interferences. Other factors may be applied to the ML depending on the specific sample preparation steps employed.

For example, the treatment typically applied in cases where there are matrix-effects is to dilute the sample or sample aliquot by a factor of ten. In such cases, this additional factor must be applied to the ML in the computation of the RL.

**Satellite Collection System** is the portion, if any, of a sanitary sewer system owned or operated by a different public agency than the agency that owns and operates the wastewater treatment facility that a sanitary sewer system is tributary to.

**Source of Drinking Water** is any water designated as municipal or domestic supply (MUN) in a Regional Water Board Basin Plan.

**Standard Deviation ( $\sigma$ )** is a measure of variability that is calculated as follows:

$$\sigma = (\sum[(x - \mu)^2]/(n - 1))^{0.5}$$

where:

x is the observed value;

$\mu$  is the arithmetic mean of the observed values; and

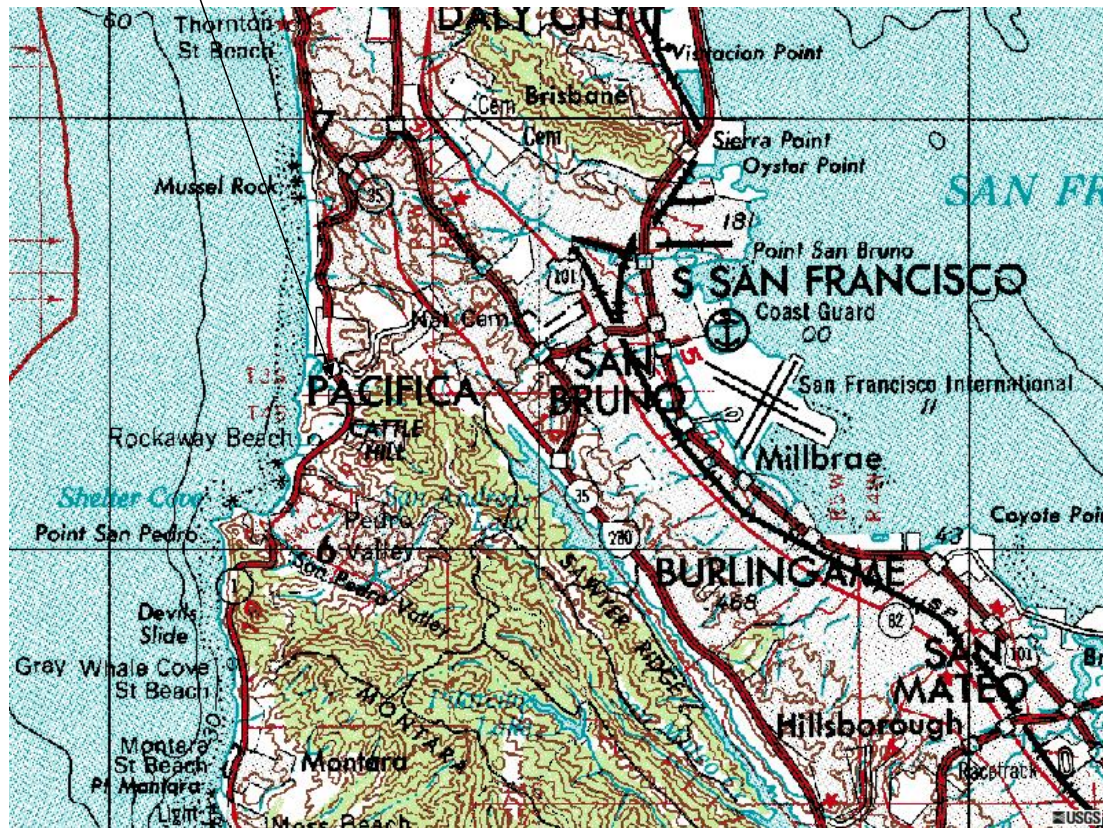
n is the number of samples.

**Toxicity Reduction Evaluation (TRE)** is a study conducted in a step-wise process designed to identify the causative agents of effluent or ambient toxicity, isolate the sources of toxicity, evaluate the effectiveness of toxicity control options, and then confirm the reduction in toxicity. The first steps of the TRE consist of the collection of data relevant to the toxicity, including additional toxicity testing, and an evaluation of facility operations and maintenance practices, and best management practices. A Toxicity Identification Evaluation (TIE) may be required as part of the TRE, if appropriate. (A TIE is a set of procedures to identify the specific chemical(s) responsible for toxicity. These procedures are performed in three phases (characterization, identification, and confirmation) using aquatic organism toxicity tests.)

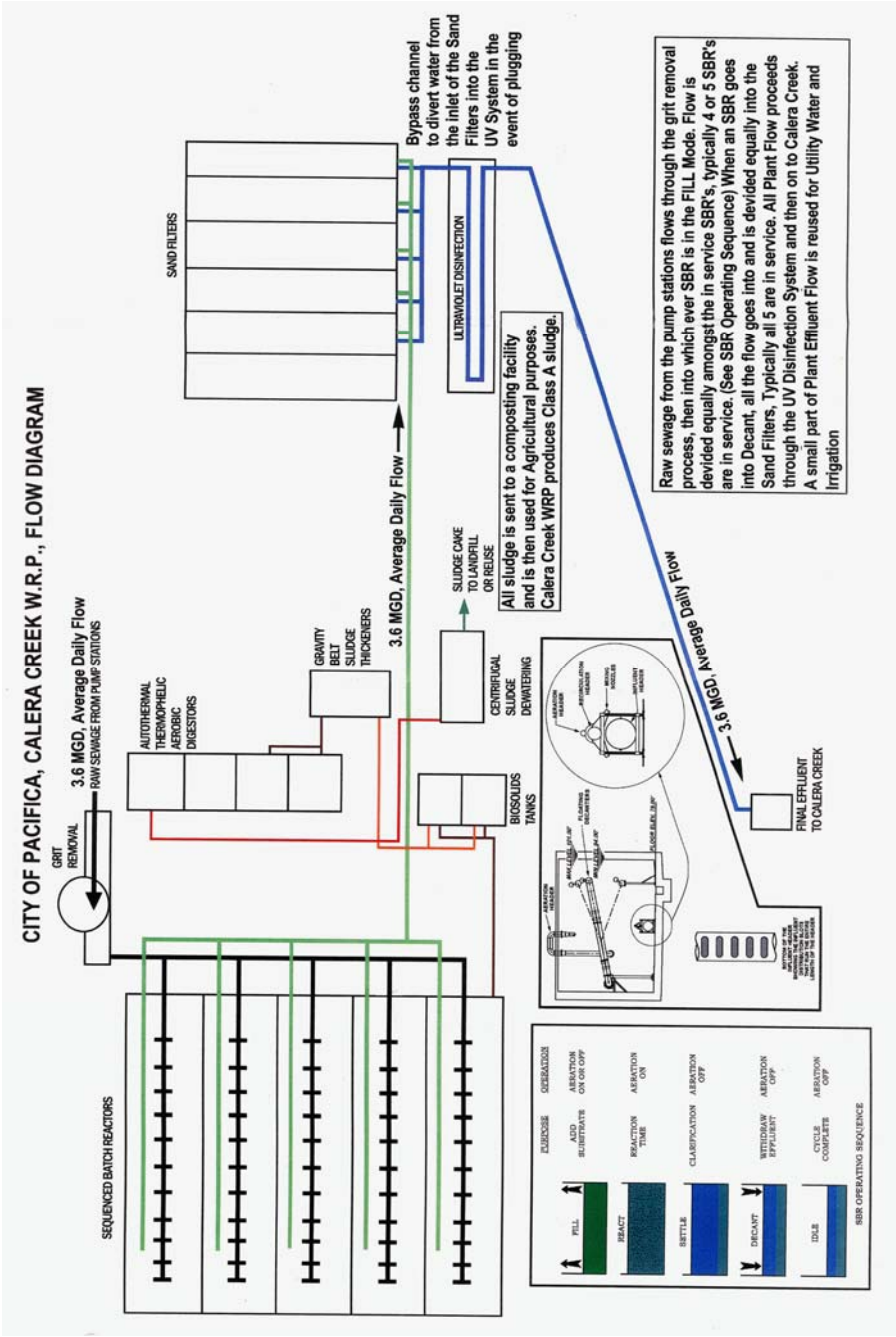


## ATTACHMENT B – TOPOGRAPHIC MAPS

Calera Creek Water Recycling Plant



ATTACHMENT C – FLOW SCHEMATIC



Attachment C – Wastewater Flow Schematic

## **ATTACHMENT D – FEDERAL STANDARD PROVISIONS**

### **I. STANDARD PROVISIONS – PERMIT COMPLIANCE**

#### **A. Duty to Comply**

1. The Discharger must comply with all of the conditions of this Order. Any noncompliance constitutes a violation of the Clean Water Act (CWA) and the California Water Code (CWC) and is grounds for enforcement action, for permit termination, revocation and reissuance, or denial of a permit renewal application [40 CFR §122.41(a)].
2. The Discharger shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions, even if this Order has not been modified to incorporate the requirement [40 CFR §122.41(a)(1)].

#### **B. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a Discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Order [40 CFR §122.41(c)].

#### **C. Duty to Mitigate**

The Discharger shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this Order that has a reasonable likelihood of adversely affecting human health or the environment [40 CFR §122.41(d)].

#### **D. Proper Operation and Maintenance**

The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Discharger to achieve compliance with the conditions of this Order. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems that are installed by a Discharger only when necessary to achieve compliance with the conditions of this Order [40 CFR §122.41(e)].

#### **E. Property Rights**

1. This Order does not convey any property rights of any sort or any exclusive privileges [40 CFR §122.41(g)].
2. The issuance of this Order does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations [40 CFR §122.5(c)].

## **F. Inspection and Entry**

The Discharger shall allow the Regional Water Quality Control Board (RWQCB), State Water Resources Control Board (SWRCB), United States Environmental Protection Agency (USEPA), and/or their authorized representatives (including an authorized contractor acting as their representative), upon the presentation of credentials and other documents, as may be required by law, to [40 CFR §122.41(i)] [CWC 13383(c)]:

1. Enter upon the Discharger's premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order [40 CFR §122.41(i)(1)];
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order [40 CFR §122.41(i)(2)];
3. Inspect and photograph, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order [40 CFR §122.41(i)(3)];
4. Sample or monitor, at reasonable times, for the purposes of assuring Order compliance or as otherwise authorized by the CWA or the CWC, any substances or parameters at any location [40 CFR §122.41(i)(4)].

## **G. Bypass**

1. Definitions
  - a. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility [40 CFR §122.41(m)(1)(i)].
  - b. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities, which causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production [40 CFR §122.41(m)(1)(ii)].
2. Bypass not exceeding limitations – The Discharger may allow any bypass to occur which does not cause exceedances of effluent limitations, but only if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions listed in Standard Provisions – Permit Compliance I.G.3 and I.G.5 below [40 CFR §122.41(m)(2)].
3. Prohibition of bypass – Bypass is prohibited, and the Regional Water Board may take enforcement action against a Discharger for bypass, unless [40 CFR §122.41(m)(4)(i)]:
  - a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage [40 CFR §122.41(m)(4)(A)];
  - b. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of

equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass that occurred during normal periods of equipment downtime or preventive maintenance [40 CFR §122.41(m)(4)(B)]; and

- c. The Discharger submitted notice to the Regional Water Board as required under Standard Provision – Permit Compliance I.G.5 below [40 CFR §122.41(m)(4)(C)].
4. The Regional Water Board may approve an anticipated bypass, after considering its adverse effects, if the Regional Water Board determines that it will meet the three conditions listed in Standard Provisions – Permit Compliance I.G.3 above [40 CFR §122.41(m)(4)(ii)].
5. Notice
  - a. Anticipated bypass. If the Discharger knows in advance of the need for a bypass, it shall submit a notice, if possible at least 10 days before the date of the bypass [40 CFR §122.41(m)(3)(i)].
  - b. Unanticipated bypass. The Discharger shall submit notice of an unanticipated bypass as required in Standard Provisions - Reporting V.E below [40 CFR §122.41(m)(3)(ii)].

#### **H. Upset**

Upset means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation [40 CFR §122.41(n)(1)].

1. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph H.2 of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review [40 CFR §122.41(n)(2)].
2. Conditions necessary for a demonstration of upset. A Discharger who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that [40 CFR §122.41(n)(3)]:
  - a. An upset occurred and that the Discharger can identify the cause(s) of the upset [40 CFR §122.41(n)(3)(i)];
  - b. The permitted facility was, at the time, being properly operated [40 CFR §122.41(n)(3)(i)];
  - c. The Discharger submitted notice of the upset as required in Standard Provisions – Reporting V.E.2.b [40 CFR §122.41(n)(3)(iii)]; and

- d. The Discharger complied with any remedial measures required under Standard Provisions – Permit Compliance I.C above [40 CFR §122.41(n)(3)(iv)].
3. Burden of proof. In any enforcement proceeding, the Discharger seeking to establish the occurrence of an upset has the burden of proof [40 CFR §122.41(n)(4)].

## II. STANDARD PROVISIONS – PERMIT ACTION

### A. General

This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any Order condition [40 CFR §122.41(f)].

### B. Duty to Reapply

If the Discharger wishes to continue an activity regulated by this Order after the expiration date of this Order, the Discharger must apply for and obtain a new permit [40 CFR §122.41(b)].

### C. Transfers

This Order is not transferable to any person except after notice to the Regional Water Board. The Regional Water Board may require modification or revocation and reissuance of the Order to change the name of the Discharger and incorporate such other requirements as may be necessary under the CWA and the CWC [40 CFR §122.41(l)(3)] [40 CFR §122.61].

## III. STANDARD PROVISIONS – MONITORING

- A. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity [40 CFR §122.41(j)(1)].
- B. Monitoring results must be conducted according to test procedures under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503 unless other test procedures have been specified in this Order [40 CFR §122.41(j)(4)] [40 CFR §122.44(i)(1)(iv)].

## IV. STANDARD PROVISIONS – RECORDS

- A. Except for records of monitoring information required by this Order related to the Discharger's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), the Discharger shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the application for this Order, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Water Board Executive Officer at any time [40 CFR §122.41(j)(2)].



**B. Records of monitoring information shall include:**

1. The date, exact place, and time of sampling or measurements [40 CFR §122.41(j)(3)(i)];
2. The individual(s) who performed the sampling or measurements [40 CFR §122.41(j)(3)(ii)];
3. The date(s) analyses were performed [40 CFR §122.41(j)(3)(iii)];
4. The individual(s) who performed the analyses [40 CFR §122.41(j)(3)(iv)];
5. The analytical techniques or methods used [40 CFR §122.41(j)(3)(v)]; and
6. The results of such analyses [40 CFR §122.41(j)(3)(vi)].

**C. Claims of confidentiality for the following information will be denied [40 CFR §122.7(b)]:**

1. The name and address of any permit applicant or Discharger [40 CFR §122.7(b)(1)]; and
2. Permit applications and attachments, permits and effluent data [40 CFR §122.7(b)(2)].

**V. STANDARD PROVISIONS – REPORTING**

**A. Duty to Provide Information**

The Discharger shall furnish to the Regional Water Board, SWRCB, or USEPA within a reasonable time, any information which the Regional Water Board, SWRCB, or USEPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order or to determine compliance with this Order. Upon request, the Discharger shall also furnish to the Regional Water Board, SWRCB, or USEPA copies of records required to be kept by this Order [40 CFR §122.41(h)] [CWC 13267].

**B. Signatory and Certification Requirements**

1. All applications, reports, or information submitted to the Regional Water Board, SWRCB, and/or USEPA shall be signed and certified in accordance with paragraph (2.) and (3.) of this provision [40 CFR §122.41(k)].
2. All permit applications shall be signed as follows:
  - a. For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit

- application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures [40 CFR §122.22(a)(1)];
- b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively [40 CFR §122.22(a)(2)]; or
  - c. For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this provision, a principal executive officer of a federal agency includes: (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of USEPA) [40 CFR §122.22(a)(3)].
3. All reports required by this Order and other information requested by the Regional Water Board, SWRCB, or USEPA shall be signed by a person described in paragraph (b) of this provision, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- a. The authorization is made in writing by a person described in paragraph (2.) of this provision [40 CFR §122.22(b)(1)];
  - b. The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company (a duly authorized representative may thus be either a named individual or any individual occupying a named position) [40 CFR §122.22(b)(2)]; and
  - c. The written authorization is submitted to the Regional Water Board, SWRCB, or USEPA [40 CFR §122.22(b)(3)].
4. If an authorization under paragraph (3.) of this provision is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (3.) of this provision must be submitted to the Regional Water Board, SWRCB or USEPA prior to or together with any reports, information, or applications, to be signed by an authorized representative [40 CFR §122.22(c)].
5. Any person signing a document under paragraph (2.) or (3.) of this provision shall make the following certification:
- “I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for



submitting false information, including the possibility of fine and imprisonment for knowing violations” [40 CFR §122.22(d)].

### **C. Monitoring Reports**

1. Monitoring results shall be reported at the intervals specified in the Monitoring and Reporting Program in this Order [40 CFR §122.41(l)(4)].
2. Monitoring results must be reported on a Discharge Monitoring Report (DMR) form or forms provided or specified by the Regional Water Board or SWRCB for reporting results of monitoring of sludge use or disposal practices [40 CFR §122.41(l)(4)(i)].
3. If the Discharger monitors any pollutant more frequently than required by this Order using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Regional Water Board [40 CFR §122.41(l)(4)(ii)].
4. Calculations for all limitations, which require averaging of measurements, shall utilize an arithmetic mean unless otherwise specified in this Order [40 CFR §122.41(l)(4)(iii)].

### **D. Compliance Schedules**

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Order, shall be submitted no later than 14 days following each schedule date [40 CFR §122.41(l)(5)].

### **E. Twenty-Four Hour Reporting**

1. The Discharger shall report any noncompliance that may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the Discharger becomes aware of the circumstances. A written submission shall also be provided within five (5) days of the time the Discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance [40 CFR §122.41(l)(6)(i)].
2. The following shall be included as information that must be reported within 24 hours under this paragraph [40 CFR §122.41(l)(6)(ii)]:
  - a. Any unanticipated bypass that exceeds any effluent limitation in this Order [40 CFR §122.41(l)(6)(ii)(A)].
  - b. Any upset that exceeds any effluent limitation in this Order [40 CFR §122.41(l)(6)(ii)(B)].

- c. Violation of a maximum daily discharge limitation for any of the pollutants listed in this Order to be reported within 24 hours [40 CFR §122.41(l)(6)(ii)(C)].
3. The Regional Water Board may waive the above-required written report under this provision on a case-by-case basis if an oral report has been received within 24 hours [40 CFR §122.41(l)(6)(iii)].

#### **F. Planned Changes**

The Discharger shall give notice to the Regional Water Board as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required under this provision only when [40 CFR §122.41(l)(1)]:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b) [40 CFR §122.41(l)(1)(i)]; or
2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in this Order nor to notification requirements under 40 CFR Part 122.42(a)(1) (see Additional Provisions—Notification Levels VII.A.1) [40 CFR §122.41(l)(1)(ii)].
3. The alteration or addition results in a significant change in the Discharger's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan [40 CFR §122.41(l)(1)(iii)].

#### **G. Anticipated Noncompliance**

The Discharger shall give advance notice to the Regional Water Board or SWRCB of any planned changes in the permitted facility or activity that may result in noncompliance with General Order requirements [40 CFR §122.41(l)(2)].

#### **H. Other Noncompliance**

The Discharger shall report all instances of noncompliance not reported under Standard Provisions – Reporting E.3, E.4, and E.5 at the time monitoring reports are submitted. The reports shall contain the information listed in Standard Provision – Reporting V.E [40 CFR §122.41(l)(7)].

#### **I. Other Information**

When the Discharger becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Regional Water Board, SWRCB, or USEPA, the Discharger shall promptly submit such facts or information [40 CFR §122.41(l)(8)].

## VI. STANDARD PROVISIONS – ENFORCEMENT

- A.** The CWA provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The CWA provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than one (1) year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than two (2) years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than three (3) years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than six (6) years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the Clean Water Act, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions [*40 CFR §122.41(a)(2)*] [*CWC 13385 and 13387*].
- B.** Any person may be assessed an administrative penalty by the Regional Water Board for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class I penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000 [*40 CFR §122.41(a)(3)*].
- C.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than 4 years, or both [*40 CFR §122.41(j)(5)*].
- D.** The CWA provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Order, including monitoring reports or reports of compliance or noncompliance shall, upon

conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both [40 CFR §122.41(k)(2)].

## **VII. ADDITIONAL PROVISIONS – NOTIFICATION LEVELS**

### **A. Non-Municipal Facilities**

Existing manufacturing, commercial, mining, and silvicultural dischargers shall notify the Regional Water Board as soon as they know or have reason to believe [40 CFR §122.42(a)]:

1. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant that is not limited in this Order, if that discharge will exceed the highest of the following "notification levels" [40 CFR §122.42(a)(1)]:
  - a. 100 micrograms per liter (µg/L) [40 CFR §122.42(a)(1)(i)];
  - b. 200 µg/L for acrolein and acrylonitrile; 500 µg/L for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol; and 1 milligram per liter (mg/L) for antimony [40 CFR §122.42(a)(1)(ii)];
  - c. Five (5) times the maximum concentration value reported for that pollutant in the Report of Waste Discharge [40 CFR §122.42(a)(1)(iii)]; or
  - d. The level established by the Regional Water Board in accordance with 40 CFR §122.44(f) [40 CFR §122.42(a)(1)(iv)].
2. That any activity has occurred or will occur that would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant that is not limited in this Order, if that discharge will exceed the highest of the following "notification levels" [40 CFR §122.42(a)(2)]:
  - a. 500 micrograms per liter (µg/L) [40 CFR §122.42(a)(2)(i)];
  - b. 1 milligram per liter (mg/L) for antimony [40 CFR §122.42(a)(2)(ii)];
  - c. Ten (10) times the maximum concentration value reported for that pollutant in the Report of Waste Discharge [40 CFR §122.42(a)(2)(iii)]; or
  - d. The level established by the Regional Water Board in accordance with 40 CFR §122.44(f) [40 CFR §122.42(a)(2)(iv)].

### **B. Publicly-Owned Treatment Works (POTWs)**

All POTWs shall provide adequate notice to the Regional Water Board of the following [40 CFR §122.42(b)]:

1. Any new introduction of pollutants into the POTW from an indirect discharger that would be subject to Sections 301 or 306 of the CWA if it were directly discharging those pollutants [40 CFR §122.42(b)(1)]; and

2. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of adoption of the Order [40 *CFR* §122.42(b)(2)].
3. Adequate notice shall include information on the quality and quantity of effluent introduced into the POTW as well as any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW [40 *CFR* §122.42(b)(3)].

## Attachment E – Monitoring and Reporting Program

### Table of Contents

Attachment E – Monitoring and Reporting Program.....	2
I. General Monitoring Provisions.....	2
II. Monitoring Locations.....	3
III. Influent Monitoring Requirements .....	4
IV. Effluent Monitoring Requirements .....	4
V. Whole Effluent Toxicity Testing Requirements .....	6
VI. Land Discharge Monitoring Requirements.....	6
VII. Reclamation Monitoring Requirements.....	6
VIII. Receiving Water Monitoring Requirements – Surface Water and Groundwater .....	6
IX. Other Monitoring Requirements .....	7
X. Reporting Requirements .....	8

### List of Tables

Table E-1. Test Methods and Minimum Levels for Pollutants with Reasonable Potential .....	3
Table E-2. Monitoring Station Locations .....	3
Table E-3. Plant Influent Monitoring.....	4
Table E-4. City of Pacifica Pacifica Common Outfall Effluent Monitoring (E-001).....	5
Table E-5. City of Pacifica Receiving Water Monitoring (C-1, C-2, C-3, C-4).....	7
Table E-6. Monitoring Period and SMR Due Date.....	8

Formatted: Not Highlight

### List of Appendices

Appendix E-1. Chronic Toxicity.....	11
Appendix E-2. Summary of Toxicity Test Species Requirements .....	13

## ATTACHMENT E – MONITORING AND REPORTING PROGRAM

NPDES regulations at 40 CFR 122.48 require that all NPDES permits specify monitoring and reporting requirements. CWC Sections 13267 and 13383 also authorize the Regional Water Quality Control Board to require technical and monitoring reports. This Program establishes monitoring and reporting requirements which implement the federal and California regulations.

### I. GENERAL MONITORING PROVISIONS

- A. The Discharger shall comply with the Monitoring and Reporting Program for this Order as adopted by the Regional Water Board, and with all of the Self-Monitoring Program, Part A, adopted August 1993 (SMP). Both may be amended by the Executive Officer pursuant to USEPA regulations 40 CFR 122.62, 122.63, and 124.5. If any discrepancies exist between the Monitoring and Reporting Program and the Self Monitoring Program, the former prevails.
- B. Sampling is required during the entire year when discharging. All analyses shall be conducted using current EPA methods, or methods that have been approved by the EPA Regional Administrator pursuant to 40 CFR 136.4 and 40 CFR 136.5, or equivalent methods that are commercially and reasonably available, and that provide quantification of sampling parameters and constituents sufficient to evaluate compliance with applicable effluent limits and to perform reasonable potential analysis. Equivalent methods must be more sensitive than those specified in 40 CFR 136, must be specified in the permit, and must be approved for use by the Executive Officer, following consultation with the State Water Quality Control Board's Quality Assurance Program.
- C. Sampling and analysis of additional constituents is required pursuant to Table 1 of the Regional Water Board's August 6, 2001 Letter titled Requirement for Monitoring of Pollutants in Effluent and Receiving Water to Implement New Statewide Regulations and Policy (**Attachment G**).
- D. *Minimum Levels.* For compliance and reasonable potential monitoring, analyses shall be conducted using the commercially available and reasonably achievable detection levels that are lower than the WQOs/WQC or the effluent limitations, whichever is lower. The objective is to provide quantification of constituents sufficient to allow evaluation of observed concentrations with respect to the Minimum Levels given below. All Minimum Levels are expressed as µg/L approximately equal to parts per billion (ppb).

Table E-1 lists the test method the Discharger may use for compliance and reasonable potential monitoring for the pollutants with effluent limits.

**Table E-1. Test Methods and Minimum Levels for Pollutants with Reasonable Potential**

CTR #	Constituent	Types of Analytical Methods [a] Minimum Levels (µg/L)											
		GC	GCMS	LC	Color	FAA	GFAA	ICP	ICP MS	SPGF AA	HYD RIDE	CVAA	DCP
6	Copper								0.5	2			
7	Lead								0.5	2			
8	Mercury [b]								0.5			0.2	
14	Cyanide				5								
68	Bis(2-ethylhexyl)phthalate		5.0										

Footnotes for Table E-1:

[a] Analytical Methods / Laboratory techniques are defined as follows:

- GC = Gas Chromatography;
- GCMS = Gas Chromatography/Mass Spectrometry;
- Color = Colorimetric;
- GFAA = Graphite Furnace Atomic Absorption;
- ICPMS = Inductively Coupled Plasma/Mass Spectrometry;
- SPGFAA = Stabilized Platform Graphite Furnace Atomic Absorption (i.e. EPA 200.9); and
- CVAF = Cold Vapor Atomic Fluorescence.

[b] Use ultra-clean sampling (USEPA 1669) to the maximum extent practicable, and ultra-clean analytical methods (USEPA 1631) for mercury monitoring. The Discharger may use alternative methods of analysis (such as USEPA 245), if the alternative method has an ML of 2 ng/L or less.

## II. MONITORING LOCATIONS

The Discharger shall establish the following monitoring locations listed in Table E-2 to demonstrate compliance with the effluent limitations, discharge specifications, and other requirements in this Order.

**Table E-2. Monitoring Station Locations**

Discharge Point Name	Monitoring Location Name	Monitoring Location Description (include Latitude and Longitude when available)
Influent	A-001	At any point in the treatment facilities head-works at which all waste tributary to the system is present and preceding any phase of treatment, and exclusive of any return flows or process side-streams
Effluent	E-001	At any point in the treatment facilities between the point of discharge and the point at which all waste tributary to the outfall is present (may be the same as E-001D)
	E-001D	At any point in the treatment facilities at which point adequate contact with the disinfectant is assured.
Receiving Waters	C-1	A point in Calera Creek, approximately 10 feet upstream of the discharge point
	C-2	A point in Calera Creek immediately downstream of the discharge point, where the effluent and receiving water are completely mixed across the creek's cross section.
	C-3	A point in Calera Creek at the elevation of mean high-high water, where ocean water mixes with creek water at high tide.
	C-4	A point in the Pacific Ocean at the elevation of mean low-low water where water from Calera Creek mixes with ocean water.



Discharge Point Name	Monitoring Location Name	Monitoring Location Description (include Latitude and Longitude when available)
Land Observations	P-1 through P- <i>n</i>	Points along the perimeter of the wastewater treatment facilities, at equidistant intervals not to exceed 500 feet.
	W-1 through W- <i>n</i> <sup>[1]</sup>	Points along the wetlands restoration project, at equidistant intervals not to exceed 2,000 feet.

- [1] The Discharger will make arrangements to remove any dead or sick animals that are observed at Stations W-1 through W-*n*.
- [2] A map and description of each known overflow or bypass location shall accompany the annual report for each calendar year.
- [3] Each occurrence of an overflow or bypass shall be reported to the Regional Water Board in accordance with the reporting requirements specified in Section X of this Program.

### III. INFLUENT MONITORING REQUIREMENTS

#### A. Monitoring Location A-001

- The Discharger shall monitor influent to the facility at A-001 as follows:

**Table E-3. Plant Influent Monitoring**

Parameter	Units <sup>[1]</sup>	Sample Type <sup>[2]</sup>	Minimum Sampling Frequency	Required Analytical Test Method
BOD <sub>5</sub> <sup>[3]</sup>	mg/L kg/day	C-24	Once / Week	405.1
TSS <sup>[4]</sup>	mg/L kg/day	C-24	Once / Week	160.2

- [1] Unit Abbreviations:  
 mg/L = milligrams per liter  
 kg/day = kilograms per day  
 µg/l = micrograms per liter
- [2] Sample Type Abbreviations:  
 C-24 = 24-hour composite
- [3] 5-Day Biochemical Oxygen Demand at 20° C
- [4] Total Suspended Solids

### IV. EFFLUENT MONITORING REQUIREMENTS

#### A. Monitoring Location E-001

- The Discharger shall monitor treated effluent at E-001 in accordance with the following schedule.

**Table E-4. City of Pacifica Common Outfall Effluent Monitoring (E-001)**

Parameter	Units <sup>[1]</sup>	Sample Type <sup>[2]</sup>	Minimum Sampling Frequency	Required Analytical Test Method
Flow Rate	mgd	Continuous	Continuous	---
BOD <sub>5</sub>	mg/l	C-24	once / week	405.1
TSS	mg/l	C-24	once /week	160.2
Turbidity	NTU	C-24	once / day	180.1
Acute Toxicity 96-hr. <sup>[3]</sup>	Percent survival	Flow through	once / month	821-R-02-012
Ammonia Nitrogen	mg/l	Grab	once / week	350.3
Total Organic Nitrogen	mg/l	Grab	once /week	351.4
Nitrate Nitrogen	mg/l	C-24	once /week	300.0
Total Phosphorus	mg/l	C-24	twice /month	365.2
pH	pH Units	Grab	once / day	150.1 or 9040
Dissolved Oxygen	mg/l , % saturation	Grab	once /day	
Temperature	°C	Grab	once /day	
Fecal Coliform	MPN/100 ml	Grab	5 times / week	1600 Series
Sulfides (if DO < 5.0 mg/l) Total and Dissolved	mg/l	Grab	once / day	376.2
All Applicable Standard Observations <sup>[4]</sup>	---	Grab	once /day	---
Copper	µg/l	C-24	once /month	6020
Lead	µg/l	C-24	once /month	6020
Mercury	µg/l	C-24	once /month	7470 or 7471
Cyanide	µg/l	Grab	once / month	335.2 or 9010
Dioxin TEQ <sup>[5]</sup>	µg/l	C-24	once /quarter	
Bis(2-ethylhexyl) phthalate	µg/l	C-24	once / quarter	8270/8270 SIM
Priority Pollutants	µg/l	C-24	[6]	

[1] Unit Abbreviations:

mg/l = milligrams per liter  
 µg/l = micrograms per liter  
 NTU = Nephelometric Turbidity Units  
 % Saturation = percent saturation of dissolved oxygen in water  
 MPN/100 ml = Most Probable Number per 100 milliliters  
 °C = degree Celsius

[2] Sample Type Abbreviations:

Continuous = Measured continuously, and recorded and reported daily  
 C-24 = 24-hour composite  
 Grab = Grab sample  
 Flow through =

[3] Acute bioassay tests shall be performed in accordance with Section V of this MRP.

[4] Discharger shall record standard observations of effluent, including color, presence of sheen or foam, etc.

[5] Dioxin-TEQ shall be determined in accordance with Section 3 of the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (2005).

[6] The sample type and analytical method should be as described in the August 6, 2001 letter with sampling and analysis once every year for metals and once every five years for other pollutants.

## **V. WHOLE EFFLUENT TOXICITY TESTING REQUIREMENTS**

Compliance with whole acute toxicity testing requirements of this Order shall be achieved in accordance with the following:

- A. Acute toxicity of effluent limits shall be evaluated by measuring survival of test organisms exposed to 96-hour flow through bioassays.
- B. Both of the following test species must be used: fathead minnow (*Pimephales promelas*), or rainbow trout (*Oncorhynchus mykiss*) unless testing has confirmed to the satisfaction of the Executive Officer that 1) there has not been exceedance of the acute toxicity limitation for at least 3 years, and 2) acute toxicity has been observed in only one of the test species.
- C. All bioassays shall be performed according to 40 CFR 136, currently the "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms," 5<sup>th</sup> Edition. Exceptions may be granted to the Discharger by the Executive Officer and the Environmental Laboratory Accreditation Program (ELAP.)
- D. If specific identifiable substances in the discharge can be demonstrated by the Discharger as being rapidly rendered harmless upon discharge to the receiving water, compliance with the acute toxicity limit may be determined after the test samples are adjusted to remove the influence of those substances. Written approval from the Executive Officer must be obtained to authorize such an adjustment.
- E. Effluent used for fish bioassays must be dechlorinated prior to testing. Monitoring of the bioassay water shall include, on a daily basis, the following parameters: pH, dissolved oxygen, ammonia (if toxicity is observed), temperature, hardness, and alkalinity. These results shall be reported. If a violation of acute toxicity requirements occurs or if the control fish survival rate is less than 90 percent, the bioassay test shall be restarted with new batches of fish and shall continue back to back until compliance is demonstrated.

## **VI. LAND DISCHARGE MONITORING REQUIREMENTS**

Not Applicable.

## **VII. RECLAMATION MONITORING REQUIREMENTS**

Not Applicable.

## **VIII. RECEIVING WATER MONITORING REQUIREMENTS – SURFACE WATER AND GROUNDWATER**

### **A. Monitoring Locations – All Receiving Water Stations**

- 1. The Discharger shall monitor Receiving Water at each receiving-water monitoring location (C-1, C-2, C-3, and C-4) as follows.

**Table E-5. City of Pacifica Receiving Water Monitoring (C-1 and C-2)**

Parameter	Units <sup>[1]</sup>	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Ammonia Nitrogen	mg/l	Grab	twice / year <sup>[2]</sup>	350.3
Nitrate Nitrogen	mg/l	Grab	twice / year <sup>[2]</sup>	300.0
Total Organic Nitrogen	mg/l	Grab	twice / year <sup>[2]</sup>	351.4
Total Phosphorus	mg/l	Grab	twice / year <sup>[2]</sup>	365.2
pH	pH Units	Grab	twice / year <sup>[2]</sup>	150.1 or 9040
Dissolved Oxygen	mg/L, percent saturation	Grab	twice / year <sup>[2]</sup>	--
Temperature	°C	Grab	twice / year <sup>[2]</sup>	--
Fecal Coliform	MPN/100 ml	Grab	twice / year <sup>[2]</sup>	1600 Series
Total and Dissolved Sulfides (if DO < 2.0 mg/L)	mg/l	Grab	twice / year <sup>[2]</sup>	376.2
Priority Pollutants	µg/l	C-24	[3]	

[1] Unit Abbreviations:

mg/L = milligrams per liter  
 kg/day = kilograms per day  
 µg/l = micrograms per liter  
 % Saturation = percent saturation of dissolved oxygen in water  
 MPN/100 ml = Most Probable Number per 100 milliliters  
 °C = degree Celsius

[2] Once in March and once in September.

[3] The sample type and analytical method should be as described in the August 6, 2001 letter with sampling and analysis once every five years.

- Two times each week, the Discharger shall make visual observations at each receiving water monitoring location and record standard observations regarding appearance, as it relates to discharges from the wastewater treatment plant, of Calera Creek, the wetlands area, and the ocean. Such observations may include the appearance of color, foams, or sheens; excessive plant growth, the presence of unhealthy plants or animals, etc. Observations shall be recorded and routinely reported in Self Monitoring Reports. As described in Section II of this Monitoring and Reporting Plan, these receiving water monitoring locations shall be identified as location Nos. C-1, C-2, C-3, and C-4.

## IX. OTHER MONITORING REQUIREMENTS

### A. Monitoring Locations – All Land Observations

- Two times each week, the Discharger shall make visual observations at the corners and midpoints of the perimeter fence line surrounding the treatment facilities and record standard observations regarding run-on and run-off and general site conditions that may impact stormwater collection and diversion to the wastewater treatment facility as well as conditions that could impact the quality of effluent discharged from the facility. Observations shall be recorded and routinely reported in Self Monitoring Reports. As described in Section II of

this MRP, these “land monitoring locations” shall be identified as location nos. P-1, P-2, P-3, etc. and shall be described on a sketch that accompanies Self Monitoring Reports.

## **X. REPORTING REQUIREMENTS**

### **A. General Monitoring and Reporting Requirements**

The Discharger shall comply with all Standard Provisions (Attachments D and G) related to monitoring, reporting, and recordkeeping, except as otherwise specified below.

### **B. Self Monitoring Reports (SMRs)**

1. At any time during the term of this permit, the State or Regional Water Board may notify the Discharger to electronically submit Self Monitoring Reports. Until such notification is given, the Discharger shall submit self-monitoring reports in accordance with the requirements described below.
2. The Discharger shall submit monthly Self Monitoring Reports including the results of all required monitoring using USEPA-approved test methods or other test methods specified in this Order. Monthly reports shall be due no later than 30 days after the end of each calendar month.
3. Monitoring periods and reporting for all required monitoring shall begin on the effective date of this Order and shall be completed according to the following schedule. SMRs for monitoring completed once per year are due February 1. SMRs for monitoring completed twice per year are due May 1 and November 1.

**Table E-6. Monitoring Period and SMR Due Date**

<b>Sampling Frequency</b>	<b>SMR Due Date</b>
Continuous	First day of second calendar month following month of sampling
Once / Day	First day of second calendar month following month of sampling
Twice / Week	First day of second calendar month following month of sampling
Five times / Week	First day of second calendar month following month of sampling
Twice / Month	First day of second calendar month following month of sampling
Once / Month	First day of second calendar month following month of sampling
Twice / Year	May 1 November 1
Once / Year	February 1

4. The Discharger shall report with each sample result the applicable Minimum Level and the current Method Detection Limit, as determined by the procedure in 40 CFR Part 136.

The Discharger shall report the results of analytical determinations for the presence of chemical constituents in a sample using the following reporting protocols:

- a. Sample results greater than or equal to the Reporting Limit shall be reported as measured by the laboratory (i.e., the measured chemical concentration in the sample).

- b. Sample results less than the Reporting Limit, but greater than or equal to the laboratory's Method Detection Limit, shall be reported as "Detected, but Not Quantified," or DNQ. The estimated chemical concentration of the sample shall also be reported.

For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words "Estimated Concentration" (may be shortened to "Est. Conc."). The laboratory may, if such information is available, include numerical estimates of the data quality for the reported result. Numerical estimates of data quality may be percent accuracy (+ a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.

- c. Sample results less than the laboratory's Method Detection Limit shall be reported as "Not Detected," or ND.
  - d. The Dischargers shall instruct laboratories to establish calibration standards so that the Reporting Limit value (or its equivalent if there is differential treatment of samples relative to calibration standards) is the lowest calibration standard. The Discharger shall not use analytical data derived from *extrapolation* beyond the lowest point of the calibration curve.
- 5. The Discharger shall arrange all reported data in a tabular format. The data shall be summarized to clearly illustrate whether the facility is operating in compliance with interim and/or final effluent limitations.
  - 6. The Discharger shall attach a cover letter to the SMR. The information contained in the cover letter shall clearly identify violations of the Waste Discharge Requirements; discuss corrective actions taken or planned; and the proposed time schedule for corrective actions. Identified violations must include a description of the requirement that was violated and a description of the violation.
  - 7. SMRs must be submitted to the Regional Water Board, signed and certified as required by the standard provisions (Attachment D), to the address listed below:

Executive Officer  
California Regional Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612  
ATTN: NPDES Wastewater Division

- 8. The Discharger has the option to submit all monitoring results in an electronic reporting format approved by the Executive Officer. The Electronic Reporting System format includes, but is not limited to, a transmittal letter, summary of violation details and corrective actions, and transmittal receipt. If there are any discrepancies between the Electronic Reporting System requirements and the "hard copy" requirements listed in the Monitoring Reporting Program, then the approved Electronic Reporting System requirements supersede.

**C. Discharge Monitoring Reports**

1. As described in Section X.B.1 above, at any time during the term of this permit, the State or Regional Water Board may notify the Discharger to electronically submit self-monitoring reports. Until such notification is given, the Discharger shall submit discharge monitoring reports in accordance with the requirements described below.
2. Discharge Monitoring Reports must be signed and certified as required by the standard provisions (Attachment D). The Discharge shall submit the original Discharge Monitoring Report and one copy to the address listed below:

State Water Resources Control Board  
Discharge Monitoring Report Processing Center  
Post Office Box 671  
Sacramento, CA 95812

3. All discharge monitoring results must be reported on the official USEPA pre-printed Discharge Monitoring Report forms (EPA Form 3320-1). Forms that are self-generated or modified cannot be accepted.

**D. Other Reports**

1. **Annual Reports.** By February 1<sup>st</sup> of each year, the Discharger shall submit an annual report to the Regional Water Board covering the previous calendar year. The report shall contain the items described in *Standard Provisions and Reporting Requirements, and SMP Part A, August 1993* (Attachment G).

## APPENDIX E-1. CHRONIC TOXICITY

### DEFINITION OF TERMS AND SCREENING PHASE REQUIREMENTS

#### I. Definition of Terms

- A. No observed effect level (NOEL) for compliance determination is equal to IC<sub>25</sub> or EC<sub>25</sub>. If the IC<sub>25</sub> or EC<sub>25</sub> cannot be statistically determined, the NOEL shall be equal to the NOEC derived using hypothesis testing.
- B. Effective concentration (EC) is a point estimate of the toxicant concentration that would cause an adverse effect on a quantal, "all or nothing," response (such as death, immobilization, or serious incapacitation) in a given percent of the test organisms. If the effect is death or immobility, the term lethal concentration (LC) may be used. EC values may be calculated using point estimation techniques such as probit, logit, and Spearman-Kärber. EC<sub>25</sub> is the concentration of toxicant (in percent effluent) that causes a response in 25 percent of the test organisms.
- C. Inhibition concentration (IC) is a point estimate of the toxicant concentration that would cause a given percent reduction in a nonlethal, nonquantal biological measurement, such as growth. For example, an IC<sub>25</sub> is the estimated concentration of toxicant that would cause a 25 percent reduction in average young per female or growth. IC values may be calculated using a linear interpolation method such as USEPA's Bootstrap Procedure.
- D. No observed effect concentration (NOEC) is the highest tested concentration of an effluent or a toxicant at which no adverse effects are observed on the aquatic test organisms at a specific time of observation. It is determined using hypothesis testing.

#### II. Chronic Toxicity Screening Phase Requirements

- A. The Discharger shall perform screening phase monitoring:
  - 1. Subsequent to any significant change in the nature of the effluent discharged through changes in sources or treatment, except those changes resulting from reductions in pollutant concentrations attributable to source control efforts, or
  - 2. Prior to permit reissuance. Screening phase monitoring data shall be included in the NPDES permit application for reissuance. The information shall be as recent as possible, but may be based on screening phase monitoring conducted within 5 years before the permit expiration date.
- B. Design of the screening phase shall, at a minimum, consist of the following elements:
  - 1. Use of test species specified in **Appendix E-2**, attached, and use of the protocols referenced in those tables, or as approved by the Executive Officer.



2. Two stages:
    - a. Stage 1 shall consist of a minimum of one battery of tests conducted concurrently. Selection of the type of test species and minimum number of tests shall be based on **Appendix E-2** (attached).
    - b. Stage 2 shall consist of a minimum of two test batteries conducted at a monthly frequency using the three most sensitive species based on the Stage 1 test results and as approved by the Executive Officer.
  3. Appropriate controls.
  4. Concurrent reference toxicant tests.
  5. Dilution series 100%, 50%, 25%, 10%, 5%, 0 %, where “%” is percent effluent as discharged, or as otherwise approved the Executive Officer.
- C. The Discharger shall submit a screening phase proposal acceptable to the Executive Officer. The proposal shall address each of the elements listed above. If within 30 days, the Executive Officer does not comment, the Discharge shall commence with screening phase monitoring.

## APPENDIX E-2. SUMMARY OF TOXICITY TEST SPECIES REQUIREMENTS

### Critical Life State Toxicity Tests for Estuarine Waters

Species	(Scientific Name)	Effect	Test Duration	Reference
Alga	( <i>Skeletonema costatum</i> ) ( <i>Thalassiosira pseudonana</i> )	Growth rate	4 days	1
Red alga	( <i>Champia parvula</i> )	Number of cystocarps	7–9 days	3
Giant kelp	( <i>Macrocystis pyrifera</i> )	Percent germination; germ tube length	48 hours	2
Abalone	( <i>Haliotis rufescens</i> )	Abnormal shell development	48 hours	2
Oyster Mussel	( <i>Crassostrea gigas</i> ) ( <i>Mytilus edulis</i> )	Abnormal shell development; percent survival	48 hours	2
Echinoderms -Urchins Sand dollar	( <i>Strongylocentrotus purpuratus</i> , <i>S. franciscanus</i> ) ( <i>Dendraster excentricus</i> )	Percent fertilization	1 hour	2
Shrimp	( <i>Mysidopsis bahia</i> )	Percent survival; growth	7 days	3
Shrimp	( <i>Holmesimysis costata</i> )	Percent survival; growth	7 days	2
Topsmelt	( <i>Atherinops affinis</i> )	Percent survival; growth	7 days	2
Silversides	( <i>Menidia beryllina</i> )	Larval growth rate; percent survival	7 days	3

#### Toxicity Test References:

1. American Society for Testing Materials (ASTM). 1990. Standard Guide for Conducting Static 96-Hour Toxicity Tests with Microalgae. Procedure E 1218-90. ASTM, Philadelphia, PA.
2. Short-term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to West Coast Marine and Estuarine Organisms. EPA/600/R-95/136. August 1995.
3. Short-term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Waters to Marine and Estuarine Organisms. EPA/600/4-90/003. July 1994.

### Critical Life Stage Toxicity Tests for Fresh Waters

Species	(Scientific Name)	Effect	Test Duration	Reference
Fathead minnow	( <i>Pimephales promelas</i> )	Survival; growth rate	7 days	4
Water flea	( <i>Ceriodaphnia dubia</i> )	Survival; number of young	7 days	4
Alga	( <i>Selenastrum capricornutum</i> )	Cell division rate	4 days	4

#### Toxicity Test Reference:

4. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, third edition. EPA/600/4-91/002. July 1994.

### Toxicity Test Requirements for Stage One Screening Phase

Requirements	Receiving Water Characteristics		
	Discharges to Coast	Discharges to San Francisco Bay <sup>[2]</sup>	
	Ocean	Marine/Estuarine	Freshwater
Taxonomic diversity	1 plant 1 invertebrate 1 fish	1 plant 1 invertebrate 1 fish	1 plant 1 invertebrate 1 fish
Number of tests of each salinity type:			
Freshwater <sup>[1]</sup>	0	1 or 2	3
Marine/Estuarine	4	3 or 4	0
Total number of tests	4	5	3

[1] The freshwater species may be substituted with marine species if:

- (a) The salinity of the effluent is above 1 part per thousand (ppt) greater than 95 percent of the time, or
- (b) The ionic strength (TDS or conductivity) of the effluent at the test concentration used to determine compliance is documented to be toxic to the test species.

- [2] (a) Marine/Estuarine refers to receiving water salinities greater than 1 ppt at least 95 percent of the time during a normal water year.
- (b) Fresh refers to receiving water with salinities less than 1 ppt at least 95 percent of the time during a normal water year.

## Attachment F – Fact Sheet

### Table of Contents

Attachment F – Fact Sheet.....	2
I. Permit Information.....	2
II. Facility Description.....	3
III. Applicable Plans, Policies, and Regulations.....	6
IV. Rationale For Effluent Limitations and Discharge Specifications .....	10
A. Discharge Prohibitions .....	11
B. Technology-Based Effluent Limitations .....	11
C. Water Quality-Based Effluent Limitations (WQBELs) .....	13
D. Final Effluent Limitations .....	30
E. Interim Effluent Limitations.....	30
F. Land Discharge Specifications .....	31
G. Reclamation Specifications .....	31
V. Rationale for Receiving Water Limitations .....	31
VI. Rationale for Monitoring and Reporting Requirements .....	31
VII. Rationale for Provisions.....	33
VIII. Public Participation.....	36

### List of Tables

Table F-1. Facility Information.....	2
Table F-2. Historic Effluent Limitations and Monitoring Data .....	4
Table F-3. Historic Effluent Limitations and Monitoring Data for pH .....	4
Table F-4. Historic Effluent Limitations and Monitoring Data for Fecal Coliform .....	4
Table F-5. Exceedances of Numeric Effluent Limitations During the Previous Permit Term.....	5
Table F-6. Basin Plan Beneficial Uses of Inland Streams .....	7
Table F-7. Summary of Technology-based Effluent Limitations .....	13
Table F-8. Effluent Limitations for Ammonia – Order No. 99-066 .....	17
Table F-9. Summary of RPA Results .....	19
Table F-10. Summary of Effluent Limitation Calculations for Copper, Lead and Mercury .....	27
Table F-11. Summary of Effluent Limitation Calculations for Cyanide, Dioxin-TEQ, and Bis(2- eththylhexyl)phthalate .....	29
Table F-12. Final WQBELs .....	30

### List of Appendices

#### APPENDICES

- Appendix 1 Applicable Water Quality Objective/Criteria
- Appendix 2 Data Input for RPA
- Appendix 3 Reasonable Potential Analysis Results
- Appendix 4 Calculations of Coefficients of Variation
- Appendix 5 WQBEL Calculations
- Appendix 6 Compliance Feasibility Analysis

## ATTACHMENT F – FACT SHEET

As described in Section II of this Order, this Fact Sheet includes the legal requirements and technical rationale that serve as the basis for the requirements of this Order.

### I. PERMIT INFORMATION

The following table summarizes administrative information related to the facility.

**Table F-1. Facility Information**

<b>WDID</b>	2 386015001
<b>Discharger</b>	City of Pacifica
<b>Name of Facility</b>	Calera Creek Water Recycling Plant
<b>Facility Address</b>	700 Coast Highway
	Pacifica, CA. 94044
	San Mateo County
<b>Facility Contact, Title and Phone and email</b>	David Gromm, Plant Manager, (650) 738-4663, grommd@ci.pacifica.ca.us
<b>Authorized Person to Sign and Submit Reports</b>	David Gromm, Plant Manager, (650) 738-4663, grommd@ci.pacifica.ca.us
<b>Mailing Address</b>	170 Santa Maria Avenue Pacifica, CA 94044
<b>Billing Address</b>	Same as Mailing Address
<b>Type of Facility</b>	POTW
<b>Major or Minor Facility</b>	Major
<b>Threat to Water Quality</b>	1
<b>Complexity</b>	A
<b>Pretreatment Program</b>	No
<b>Reclamation Requirements</b>	Producer
<b>Facility Permitted Flow</b>	3.3 MGD (Average Dry Weather)
<b>Facility Design Flow</b>	3.3 MGD (Average Dry Weather)
	7 MGD (Peak Dry Weather)
	20 MGD (Peak Wet Weather)
<b>Watershed</b>	San Mateo Coastal
<b>Receiving Water</b>	Calera Creek
<b>Receiving Water Type</b>	Inland Surface Water (fresh)

- A. The City of Pacifica (hereinafter, the Discharger) is the owner and operator of the Calera Creek Water Recycling Plant, a POTW.
- B. The facility discharges tertiary treated wastewater to Calera Creek, a water of the United States and is currently regulated by Order 99-066, which was adopted on September 15, 1999 and amended by Order No. R2-2002-0088 on October 1, 2002. After its expiration on September 15, 2004, Order No. 99-066 was administratively extended pursuant to 40 CFR Part 1226.
- C. The Discharger filed a Report of Waste Discharge and submitted an application for renewal of its Waste Discharge Requirements (WDRs) and National Pollutant Discharge Elimination System (NPDES) permit on May 05, 2004.

## **II. FACILITY DESCRIPTION**

### **A. Description of Wastewater and Biosolids Treatment or Controls**

The Discharger owns and operates the Calera Creek Water Recycling Plant, which provides tertiary treatment of domestic wastewater from the City of Pacifica. Wastewater flows over a cascade aerator and is discharged from Discharge Point 001 to the Calera Creek, a water of the United States approximately 0.5 miles from the Pacific Ocean. The portion of Calera Creek between the discharge structure and the Pacific Ocean is a restored wetland, with an intermittent drainage to the Pacific Ocean. The water surface elevation of the discharge at the cascade aerator entrance weir is approximately 2 to 3 feet above the water surface elevation of Calera Creek during a 100-year storm event (i.e., at 800 cubic feet per second.)

The treatment facilities consist of screens at the Sharp Park and Linda Mar pump stations, grit removal, sequencing batch reactors for secondary treatment and nitrogen removal, filtration, and ultraviolet light disinfection. Treated effluent is discharged to Calera Creek, a restored wetland project. Sludge from the sequencing batch reactors is stored in waste activated sludge storage basins, which are aerated prior to thickening with gravity belt thickeners. After thickening, the sludge is digested in autothermophilic aerobic digesters then dewatered with centrifuges. Dewatered sludge is hauled away for land disposal at authorized sites.

The treatment plant has an average dry weather treatment capacity of 3.3 million gallons per day (MGD), and a peak dry weather capacity of 7 MGD. The plant was designed to treat a peak hourly wet weather flow of 20 MGD. It had an average daily flow rate of 3.63 MGD over the three-year period of 2001 – 2003.

### **B. Discharge Points and Receiving Waters**

The Plant discharges to Calera Creek, a fresh water stream which flows to the Pacific Ocean. A condition of the original NPDES permit for the tertiary treatment facility to discharge to Calera Creek was that the Discharger restore 8.7 acres of wetlands and endangered species habitat along Calera Creek downstream of the discharge point. The project included two ponds designed as habitat for the endangered San Francisco garter snake, as well as restoration of 8.5 acres of uplands adjacent to the wetlands, and preservation of an additional 9 acres of adjacent, existing grassland. The wetland design was based on a hydrogeomorphic approach, which incorporated data from similar coastal creeks along the San Mateo County coastline to set quantifiable design and monitoring targets for restoration.

The site is located in an abandoned quarry in the Rockaway Beach District of the City of Pacifica, San Mateo County, California. The purpose of the wetland restoration project was to restore portions of this abandoned quarry with low ecological value to a natural gradient of fresh, brackish, and salt marshes along Calera Creek. The overall habitat restoration along Calera Creek constitutes a net environmental benefit that is viewed as an allowable exception to the Basin Plan's prohibition against discharges that do not receive a minimum initial dilution of at least 10 to 1 (see further discussion in III.C.1, below).

### C. Summary of Existing Requirements and Self-Monitoring Report Data

1. Effluent limitations contained in Order No. 99-066 for discharges from Discharge Point 001 and representative monitoring data from the term of Order No. 99-066 are shown in Table F-2 through F-4 below.

**Table F-2. Historic Effluent Limitations and Monitoring Data**

Parameter	Units	Effluent Limitation			Monitoring Data (From 9/2000 to 12/2005)	
		Average Monthly	Maximum Daily	Instant. Maximum	Highest Average Monthly Discharge	Highest Daily Discharge
BOD <sub>5</sub> at 20° C	mg/l	10	20	---	8.1	17.7
Total Suspended Solids	mg/l	10	20	---	10.4	128
Ammonia-Nitrogen (NH <sub>3</sub> -N):						
Dry Season (June – Sept.)	mg/l	2	5	---	8.4	13
Wet Season (Oct. – May)	mg/l	5	10	---	5.9	13
Oil & Grease	mg/l	5	10	---	7.7	23
Settleable Matter	ml/l-hr	0.1	---	0.2	ND	ND
Turbidity	NTU	---	---	10	---	7.7
Chromium	µg/l	---	11 <sup>[1]</sup>	---	---	6.4
Copper	µg/l	---	9.3 <sup>[1]</sup>	---	---	12
Lead	µg/l	---	3.2 <sup>[1]</sup>	---	---	0.54
Mercury	µg/l	---	0.025 <sup>[1]</sup>	---	---	0.038
Selenium	µg/l	---	5.0 <sup>[1]</sup>	---	---	1.2
Zinc	µg/l	---	120 <sup>[1]</sup>	---	---	62
Cyanide	µg/l	---	5.2 <sup>[1]</sup>	---	---	5.2

**Table F-3. Historic Effluent Limitations and Monitoring Data for pH**

Parameter	Units	Effluent Limitation		Monitoring Data (From 9/2000 to 12/2005)	
		Minimum	Maximum	Minimum	Maximum
pH		6.5	8.5	6.96	7.88

**Table F-4. Historic Effluent Limitations and Monitoring Data for Fecal Coliform**

Parameter	Units	Effluent Limitation		Monitoring Data (From 9/2000 to 12/2005)	
		Geometric Mean	90 <sup>th</sup> Percentile	Highest Monthly Geometric Mean	Highest Daily Discharge
Fecal coliform	MPN/100 ml	20	400	99.3	2,400

## 2. Acute Toxicity

Order 99-066 contained effluent limitations for acute toxicity described as follows:

- a. Survival of organisms in undiluted effluent shall be an 11-sample median value of not less than 90 percent survival; and
- b. The 90<sup>th</sup> percentile value shall not be less than 70 percent survival.

Acute toxicity bioassays performed between September 2002 and December 2005 indicate an average percent survival of 98.2 percent, with a minimum percent survival of 90 percent.

## D. Compliance Summary

The Regional Water Board issued Complaint No. R2-2005-0066 on March 8, 2006, assessing Mandatory Minimum Penalties pursuant to Water Code sections 13385(h) and (i) to the City of Pacifica based on a finding of violations of Waste Discharge Requirements Order Nos. 99-066 and 02-088. Table F-5 summarizes the number of effluent limitation exceedances for Discharge Point 001 during the period from September, 2000 through June, 2005, as described in Complaint No. R2-2005-0066.

**Table F-5. Exceedances of Numeric Effluent Limitations During the Previous Permit Term**

Parameter <sup>[1]</sup>	Number of Exceedances					
	2000	2001	2002	2003	2004	2005
Total Suspended Solids (Daily Maximum Limitation)		5		1	1	
Turbidity (Instantaneous Maximum Limitation)		3			5	4
Oil & Grease (Daily Maximum Effluent Limitation)		1				1
Oil & Grease (Monthly Average Limitation)						
pH		1				
Ammonia-N (Dry Weather, Daily Maximum Limitation)			7		6	
Ammonia-N (Dry Weather, Monthly Average Limitation)	1		4			
Ammonia-N (Wet Weather, Daily Maximum Limitation)		2	1			
Ammonia-N (Wet Weather, Monthly Average Limitation)		2	1			
Fecal Coliform (5-Sample Log Mean)			1		58	10
Fecal Coliform (10-Sample 90 <sup>th</sup> percentile)					14	1
Mercury (Daily Maximum Limitation)		2				
Copper (Daily Maximum Limitation)					3	

[1] Parameters not listed did not exceed effluent limitations during the period from September 2000 – June 2005.

## E. Planned Changes

Not Applicable.



### III. APPLICABLE PLANS, POLICIES, AND REGULATIONS

The requirements contained in the proposed Order are based on the requirements and authorities described in this section.

#### A. Legal Authorities

This Order is issued pursuant to CWA Section 402 and implementing regulations adopted by the USEPA and CWC Chapter 5.5, Division 7. It shall serve as an NPDES permit for point source discharges from this facility to surface waters. This Order also serves as Waste Discharge Requirements (WDRs) pursuant to CWC Article 4, Chapter 4 for discharges that are not subject to regulation under CWA Section 402.

#### B. California Environmental Quality Act (CEQA)

This action to adopt an NPDES permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21100, et seq.) in accordance with CWC Section 13389.

#### C. Technology-Based Effluent Limitations

NPDES regulations at 40 CFR 122.44(a) require permits to include applicable technology-based limitations and standards. This Order includes limitations that meet both the technology-based secondary treatment standards for POTWs and protect the beneficial uses of the receiving waters. The Regional Water Board has considered the factors listed in CWC Section 13241 in establishing these requirements. A detailed discussion of development of technology-based effluent limitations is included in this Fact Sheet.

#### D. Water Quality-Based Effluent Limitations

NPDES regulations at 40 CFR 122.44(d) require permits to include water quality-based effluent limitations (WQBELs) to attain and maintain applicable numeric and narrative water quality criteria to protect the beneficial uses of the receiving waters. Where numeric water quality objectives have not been established, 40 CFR 122.44(d) specifies that WQBELs may be established using USEPA criteria guidance under CWA Section 304(a), proposed State criteria or a State policy interpreting narrative criteria supplemented with other relevant information, or an indicator parameter. A detailed discussion of development of WQBELs is included in this Fact Sheet.

#### E. Water Quality Control Plans

1. The Regional Water Board adopted a *Water Quality Control Plan for the San Francisco Basin* (Region 2) (hereinafter, the Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. The Basin Plan was amended on January 21, 2004 by Resolution No. R2-2004-003. This amendment was approved by the State Water Board and the Office of Administrative Law on July 22, 2004, and October 4, 2004, respectively. USEPA gave final approval to the amendment on January 5, 2005.

The Basin Plan does not specifically identify beneficial uses for Calera Creek, but describes the beneficial uses for inland streams shown in Table F-6.

**Table F-6. Basin Plan Beneficial Uses of Inland Streams**

Discharge Point	Receiving Water Name	Beneficial Use(s)
001	Calera Creek	<ul style="list-style-type: none"> <li>• Agricultural Supply (AGR)</li> <li>• Industrial Process Supply (IND)</li> <li>• Groundwater Recharge (GWR)</li> <li>• Water Contact Recreation (REC-1)</li> <li>• Non-contact Water Recreation (REC-2)</li> <li>• Wildlife Habitat (WILD)</li> <li>• Cold Freshwater Habitat (COLD)</li> <li>• Warm Freshwater Habitat (WARM)</li> <li>• Fish Migration (MIGR)</li> <li>• Fish Spawning (SPWN).</li> </ul>

For purposes of reissuing the NPDES permit to the Calera Creek Water Recycling Plant, Regional Water Board staff has examined actual uses of Calera Creek downstream of the discharge point and determined that the beneficial use of Municipal and Domestic Water Supply is not applicable in these circumstances.

Table 4-1 of the Basin Plan prohibits the discharge of wastewater which has characteristics of concern to beneficial uses (1) at any point at which the wastewater does not receive a minimum initial dilution of at least 10:1, or (2) into any non-tidal water, dead-end slough, similar confined waters, or any immediate tributaries thereof. Discharge of treated wastewater to Calera Creek is contrary to this prohibition because it does not provide a minimum initial dilution of at least 10:1.

There are three mechanisms by which a municipal discharger may qualify to be granted an exception to the Basin Plan prohibition. Exceptions will be considered by the Regional Water Board where a discharger meets the following requirements: (1) an inordinate burden would be placed on the Discharger relative to beneficial uses protected, and an equivalent level of environmental protection can be achieved by alternate means, such as an alternative discharge site, a higher level of treatment, and/or improved treatment reliability; or (2) a discharge is approved as part of a reclamation project; or (3) it can be demonstrated that net environmental benefits will be derived as a result of the discharge.

Prior to adoption of Order No. 99-066, the Discharger demonstrated that a net environmental benefit (wetlands restoration) would result from its discharge to Calera Creek. This Order affirms the Regional Water Board's previous determination that the discharge prohibition (when 10 to 1 dilution is not available) does not apply to the Discharger's shallow water discharge.

Calera Creek is not included on the 303(d) list as an impaired waterbody.

2. The State Water Board adopted a Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Water and Enclosed Bays and Estuaries of California (Thermal

Plan) on May 18, 1972, and amended this plan on September 18, 1975. This plan contains temperature objectives for inland surface waters.

#### **F. National Toxics Rule (NTR) and California Toxics Rule (CTR)**

USEPA adopted the NTR on December 22, 1992 and amended it on May 4, 1995 and November 9, 1999. The CTR was adopted on May 18, 2000 and amended on February 13, 2001. These rules include water quality criteria for priority pollutants and are applicable to this discharge.

#### **G. State Implementation Policy**

On March 2, 2000, State Water Board adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP). The SIP became effective on April 28, 2000, with respect to the priority pollutant criteria promulgated for California by the USEPA through the NTR and to the priority pollutant objectives established by the Regional Water Board in the Basin Plan. The SIP became effective on May 18, 2000 with respect to the priority pollutant criteria promulgated by the USEPA through the CTR. The State Water Board adopted amendments to the SIP on February 24, 2005 that became effective on July 13, 2005. The SIP establishes implementation provisions for priority pollutant criteria and objectives and provisions for chronic toxicity control.

#### **H. Compliance Schedules and Interim Requirements**

Section 2.1 of the SIP provides that, based on a discharger's request and demonstration that it is infeasible to achieve immediate compliance with an effluent limitation derived from a CTR criterion, compliance schedules may be allowed in an NPDES permit. Unless an exception has been granted under Section 5.3 of the SIP, a compliance schedule may not exceed 5 years from the date that the permit is issued or reissued, nor may it extend beyond 10 years from the effective date of the SIP (or May 18, 2010) to establish and comply with CTR based effluent limitations. Where a compliance schedule for a final effluent limitation exceeds 1 year, the Order must include interim numeric limitations for that constituent or parameter. Where allowed by the Basin Plan, compliance schedules and interim effluent limitations or discharge specifications may also be granted to allow time to implement a new or revised water quality objective.

This Order includes a compliance schedule and interim effluent limitations for bis(2-ethylhexyl) phthalate. Discussion of the basis for the compliance schedule and interim effluent is included in this Fact Sheet.

#### **I. Alaska Rule**

On March 30, 2000, USEPA revised its regulation that specifies when new and revised state and tribal water quality standards (WQS) become effective for CWA purposes. (40 C.F.R. § 131.21; 65 Fed. Reg. 24641 (April 27, 2000).) Under the revised regulation (also known as the Alaska rule), new and revised standards submitted to USEPA after May 30, 2000, must be approved by USEPA before being used for CWA purposes. The final rule also provides that standards already in effect and submitted to USEPA by May 30, 2000 may be used for CWA purposes, whether or not approved by USEPA.

#### **J. Stringency of Requirements for Individual Pollutants**

This Order contains restrictions on individual pollutants that are no more stringent than required by the federal CWA. Individual pollutant restrictions consist of technology-based restrictions and water quality-based effluent limitations. The technology-based effluent limitations consist of restrictions on 5-day biochemical oxygen demand, total suspended solids, oil and grease, and turbidity. Restrictions on these pollutants are specified in federal regulations, and in the Basin Plan since before May 30, 2000, as discussed in the attached Fact Sheet, Attachment F. The permit's technology-based pollutant restrictions are no more stringent than required by the CWA. Water quality-based effluent limitations have been scientifically derived to implement water quality objectives that protect beneficial uses. Both the beneficial uses and the water quality objectives have been approved pursuant to federal law and are the applicable federal water quality standards. To the extent that toxic pollutant water quality-based effluent limitations were derived from the CTR, the CTR is the applicable standard pursuant to section 131.38. The scientific procedures for calculating the individual water quality-based effluent limitations are based on the CTR-SIP, which was approved by USEPA on May 18, 2000. Most beneficial uses and water quality objectives contained in the Basin Plan were approved under state law and submitted to and approved by USEPA prior to May 30, 2000. Any water quality objectives and beneficial uses submitted to USEPA prior to May 30, 2000, but not approved by USEPA before that date, are nonetheless "applicable water quality standards for purposes of the CWA" pursuant to section 131.21(c)(1). The remaining water quality objectives and beneficial uses implemented by this Order (specifically copper (fresh water) and lead) were approved by USEPA on January 5, 2005, and are applicable water quality standards pursuant to section 131.21(c)(2). Collectively, this Order's restrictions on individual pollutants are no more stringent than required to implement the technology-based requirements of the CWA and the applicable water quality standards for purposes of the CWA.

#### **J. Antidegradation Policy**

NPDES regulations at 40 CFR 131.12 require that State water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution 68-16, which incorporates the requirements of the federal antidegradation policy. Resolution 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. As discussed in detail in this Fact Sheet, the permitted discharge is consistent with the antidegradation provision of 40 CFR 131.12 and State Water Board Resolution 68-16.

#### **K. Anti-backsliding Requirements**

CWA Sections 402 (o) (2) and 303 (d) (4) and NPDES regulations at 40 CFR 122.44 (l) prohibit backsliding in NPDES permits. These anti-backsliding provisions require effluent limitations in a reissued permit to be as stringent as those in the previous permit, with some exceptions where limitations may be relaxed. As discussed in this Fact Sheet, the limitations and conditions of this Order are consistent with all anti-backsliding requirements of the CWA and federal regulations.

#### **L. Monitoring and Reporting Requirements**

40 CFR 122.48 requires that all NPDES permits specify requirements for recording and reporting monitoring results. CWC Sections 13267 and 13383 authorize the Regional Water Boards to

require technical and monitoring reports. The Monitoring and Reporting Program (MRP) establishes monitoring and reporting requirements to implement federal and State requirements. This is provided in Attachment E. The Monitoring and Reporting Program may be amended by the Executive Officer pursuant to USEPA regulations at 40 CFR 122.62, 122.63, and 124.5.

#### **M. Standard and Special Provisions**

Standard Provisions, which apply to all NPDES permits in accordance with 40 CFR 122.41, and additional conditions applicable to specified categories of permits in accordance with 40 CFR 122.42, are provided in Attachment D. The discharger must comply with all standard provisions and with those additional conditions that are applicable under 40 CFR 122.42. The Regional Water Board has also included in this Order special provisions applicable to the Discharger. A rationale for the special provisions contained in this Order is provided in this Fact Sheet.

#### **N. Other Plans, Policies and Regulations**

Not Applicable.

### **IV. RATIONALE FOR EFFLUENT LIMITATIONS AND DISCHARGE SPECIFICATIONS**

The Clean Water Act requires point source discharges to control the amount of conventional, non-conventional, and toxic pollutants that are discharged into the waters of the United States. The control of pollutants discharged is established through effluent limitations; and other requirements in NPDES permits. There are two principal bases for effluent limitations: 40 CFR 122.44 (a) requires that permits include applicable technology-based limitations and standards; and 40 CFR 122.44 (d) requires that permits include water quality-based effluent limitations (WQBELs) to attain and maintain applicable numeric and narrative water quality criteria to protect the beneficial uses of the receiving water. Where numeric water quality objectives have not been established, three options exist to protect water quality: 1) 40 CFR 122.44 (d) specifies that WQBELs may be established using USEPA criteria guidance under CWA Section 304 (a); 2) proposed State criteria or a State policy interpreting narrative criteria supplemented with other relevant information may be used; or 3) an indicator parameter may be established.

This Order contains restrictions on individual pollutants that are no more stringent than required by the Clean Water Act. Individual pollutant restrictions consist of WQBELs that have been scientifically derived to implement water quality objectives that protect beneficial uses. Both the beneficial uses and the water quality objectives have been approved pursuant to federal law and are the applicable federal water quality standards. To the extent that toxic pollutant WQBELs limitations were derived from the California Toxics Rule (CTR), the CTR is the applicable standard pursuant to 40 CFR 131.38. The scientific procedures for calculating the individual WQBELs are based on the CTR-SIP, which was approved by USEPA prior to May 1, 2001, or Basin Plan provisions approved by USEPA on May 29, 2000. Most beneficial uses and water quality objectives contained in the Basin Plan were approved under state law and submitted to and approved by USEPA prior to May 30, 2000. Any water quality objectives and beneficial uses submitted to USEPA prior to May 30, 2000, but not approved by USEPA before that date, are nonetheless "applicable water quality standards for purposes of the [Clean Water] Act" pursuant to 40 CFR 131.21 (c) (1). The remaining water quality objectives and beneficial uses implemented by this Order were approved by USEPA on January 5, 2005, and are applicable water quality standards

pursuant to 40 CFR 131.21 (c) (2). Collectively, this Order's restrictions on individual pollutants are no more stringent than the applicable water quality standards for purposes of the Clean Water Act.

Several specific factors affecting the development of limitations and requirements in this Order are discussed as follows:

#### **A. Discharge Prohibitions**

1. Prohibition III. A (No discharge except as contemplated by the Order and/or as described by the Discharger). This prohibition is based on California Water Code (CWC) Section 13260, which requires submittal of a ROWD, including all information required by the Regional Water Board, by any person discharging waste to waters of the State. Discharges not described by the Discharger in its ROWD, and therefore not contemplated by the Regional Water Board in issuing the Order, are viewed as unauthorized discharges to waters of the State.
2. Prohibition III.B (No bypass or overflow). This prohibition is based on the Basin Plan prohibition against the discharge of partially treated and untreated wastes (Chapter 4, Discharge Prohibition No.15), as well as general concepts contained in CWC Sections 13260 through 13264 that relate to the discharge of waste to State waters without filing for and being issued a permit. Under certain circumstances, as stated in 40 CFR 122.41 (m), the facilities may bypass waste streams to waters of the State in order to prevent loss of life, personal injury, or severe property damage, or if there were no feasible alternatives to the bypass and the Discharger submitted notices of the anticipated bypass to waters of the State. This prohibition is retained from Order 99-066.
3. Prohibition III.C (No discharge in excess of design flow capacities). Order No. 99-066 prohibited flows in excess of the facility's design dry weather capacity of 3.3 MGD. This condition is based on dry weather capacity constraints of the treatment system.

#### **B. Technology-Based Effluent Limitations**

NPDES regulations at 40 CFR 122.44 (a) require that permits include applicable technology-based limitations and standards. This Order includes such limitations based on the minimum level of effluent quality attainable by secondary treatment, as established at 40 CFR 133. This Secondary Treatment Regulation includes requirements for BOD<sub>5</sub>, suspended solids, and pH. The Regional Water Board, in Table 4-2 of the Basin Plan, has supplemented these technology based requirements with additional requirements for conventional pollutants (total coliform bacteria, oil and grease, and total residual chlorine), which are applicable to this Plant.

Regulations promulgated at 40 CFR 125.3 (a) (1) require technology-based effluent limitations for municipal dischargers to be placed in NPDES permits based on Secondary Treatment Standards or Equivalent to Secondary Treatment Standards. Where the USEPA has not yet developed technology based standards for a particular industry or a particular pollutant, CWA Section 402 (a) (1) and USEPA regulations at 40 CFR 125.3 authorize the use of best professional judgment to derive technology-based effluent limitations on a case-by-case basis. When best professional judgment is used, the permit writer must consider specific factors outlined at 40 CFR 125.3.

1. **Biochemical Oxygen Demand.** Effluent limitations for BOD<sub>5</sub> are retained from the expiring permit (Order No. 99-066). These limitations are more stringent than requirements of 40 CFR 133 and of Table 4-2 of the Basin Plan and have been established using best professional judgment, reflecting levels of performance expected for tertiary treatment systems.
2. **Total Suspended Solids.** Effluent limitations for TSS are retained from the expiring permit (Order No. 99-066). These limitations are more stringent than requirements of 40 CFR 133 and of Table 4-2 of the Basin Plan and have been established using best professional judgment, reflecting levels of performance expected for tertiary treatment systems.
3. **Oil and Grease.** Effluent limitations for O&G are retained from the expiring permit (Order No. 99-066). These limitations are more stringent than requirements of Table 4-2 of the Basin Plan and have been established using best professional judgment, reflecting levels of performance expected for tertiary treatment systems.
4. **Turbidity.** The effluent limitation for turbidity is retained from the expiring permit (Order No. 99-066). These limitations are more stringent than requirements of Table 4-2 of the Basin Plan and have been established using best professional judgment, reflecting levels of performance expected for tertiary treatment systems.
5. **Total Chlorine Residual.** An effluent limitation for chlorine was not included in Order No. 99-066, nor will one be included in this Order, as the U.S. Fish and Wildlife Service has prohibited the discharge of chlorine or chlorinated compounds to the restored Calera Creek Wetlands. Therefore, the facility disinfects with UV light, not chlorine.
6. **pH.** This effluent limitation is unchanged from the previous permit, and is based on the requirements of Table 4-2 of the Basin Plan for shallow water dischargers.
7. **Settleable Solids.** Effluent limitations for settleable solids (0.1 ml/l/hr – monthly average and 0.2 ml/l/hr) from the expiring permit are not retained by this Order. The Regional Water Board has determined that compliance with the requirements of 40 CFR 133 and of Table 4-2 of the Basin Plan will assure removal of settleable solids to the acceptably low levels prescribed as effluent limitations in the expiring permit; and therefore, the elimination of those limitations will not affect treatment performance or effluent quality but will reduce some analytical burden for the Discharger.
8. **Fecal Coliform Bacteria.** Limitations for fecal coliform bacteria from Order No. 99-066 (as amended by Order No. R2-2002-0088) have been changed to 200 MPN/100ml to correspond with the Basin Plan beneficial use change from the most stringent municipal supply, MUN, to recreational, REC 1. The previous limitations were established in 2002 and took the place of limitations for total coliform bacteria established by Order No. 99-066 following study by the Discharger which demonstrated that such a change would assure protection of beneficial uses.

**Table F-7. Summary of Technology-based Effluent Limitations**

Parameter	Units	Final Effluent Limits <sup>[1]</sup>		
		Daily Maximum	Monthly Average	Instantaneous Maximum
BOD <sub>5</sub>	mg/l	20	10	---
TSS	mg/l	20	10	---
Oil and Grease	mg/l	10	5	---
Turbidity	NTU	---	---	10

### C. Water Quality-Based Effluent Limitations (WQBELs)

#### 1. Scope and Authority.

NPDES regulations at 40 CFR 122.44 (d) (1) (i) require permits to include WQBELs for pollutants (including toxicity) that are or may be discharged at levels that cause, have reasonable potential to cause, or contribute to an excursion above any state water quality standard (Reasonable Potential). The process for determining Reasonable Potential and calculating WQBELs, when necessary, is intended to protect the designated uses of receiving waters, as specified in the Basin Plan, and achieve applicable water quality objectives and criteria that are contained in other State plans and policies and in the CTR and NTR.

NPDES regulations and the SIP provide the basis to establish maximum daily effluent limitations (MDELs).

- a **NPDES Regulations.** NPDES regulations at 40 CFR Part 122.45 (d) state that “[f]or continuous discharges all permit effluent limitations, standards, and prohibitions, including those necessary to achieve water quality standards, shall *unless impracticable* be stated as maximum daily and average monthly discharge limitations for all discharges other than publicly owned treatment works.”
- b **SIP.** The SIP (page 8, Section 1.4) requires that WQBELs be calculated as maximum daily effluent limitations (MDELs) and average monthly effluent limitations (AMELs).

#### 2. Applicable Beneficial Uses and Water Quality Criteria and Objectives.

The WQC and WQOs applicable to the receiving waters for this discharge are from the Basin Plan; the California Toxics Rule (CTR), codified at 40 CFR 131.38 (Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California); and the National Toxics Rule (NTR), codified at 40 CFR 131.36 [Toxics Criteria for Those States not Complying with Clean Water Act Section 303 (c) (2) (B).]

- a **Basin Plan.** The Basin Plan specifies numeric WQOs for 10 priority toxic pollutants, as well as narrative WQOs for toxicity and bioaccumulation in order to protect beneficial uses. The pollutants for which the Basin Plan specifies numeric objectives are arsenic, cadmium, chromium (VI), copper in freshwater, lead, mercury, nickel, silver, zinc, and cyanide (see also c., below). The narrative toxicity objective states, in part, that “[a]ll waters shall be maintained free of toxic substances in concentrations that are lethal to or



that produce other detrimental responses in aquatic organisms.” The bioaccumulation objective states, in part, “[c]ontrollable water quality factors shall not cause a detrimental increase in concentrations of toxic substances found in bottom sediments or aquatic life. Effects on aquatic organisms, wildlife, and human health will be considered.” Effluent limitations and provisions contained in this Order are designed to implement these objectives, based on available information.

- b. **CTR.** The CTR specifies numeric aquatic life criteria for 23 priority toxic pollutants and numeric human health criteria for 57 priority toxic pollutants. These criteria apply to inland surface waters and enclosed bays and estuaries, except where numeric objectives from Tables 3-3 and/or 3-4 of the Basin Plan supersede criteria of the CTR (except in the South Bay south of the Dumbarton Bridge).
- c. **NTR.** The NTR establishes numeric, chronic and acute criteria for trivalent chromium and cyanide for the protection of aquatic life, as well as numeric criteria for 36 toxic, organic pollutants for the protection of human health, which are applicable to inland, fresh waters of the State, which are not designated used as domestic and municipal supplies. These criteria apply to the Calera Creek.
- d. **Technical Support Document for Water Quality-Based Toxics Controls.** Where numeric objectives have not been established or updated in the Basin Plan, NPDES regulations at 40 CFR Part 122.44 (d) require that WQBELs be established based on USEPA criteria, supplemented where necessary by other relevant information, to attain and maintain narrative WQOs to fully protect designated beneficial uses.

To determine the need for and establish WQBELs, when necessary, the Regional Water Board staff has followed the requirements of applicable NPDES regulations, including 40 CFR Parts 122 and 131, as well as guidance and requirements established by the Basin Plan; USEPA’s *Technical Support Document for Water Quality-Based Toxics Control* (the TSD, EPA/505/2-90-001, 1991); and the State Water Resources Control Board’s *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (the SIP, 2005).

- e. **Basin Plan Receiving Water Salinity Policy.** The Basin Plan states that the salinity characteristics (i.e., freshwater vs. saltwater) of the receiving water shall be considered in determining the applicable WQC. Freshwater criteria shall apply to discharges to waters with salinities equal to or less than one part per thousand (ppt) at least 95 percent of the time. Saltwater criteria shall apply to discharges to waters with salinities equal to or greater than 10 ppt at least 95 percent of the time in a normal water year. For discharges to water with salinities in between these two categories, or tidally influenced freshwaters that support estuarine beneficial uses, the criteria shall be the lower of the salt or freshwater criteria, (the latter calculated based on ambient hardness), for each substance.

Receiving Water Salinity: The receiving water for the subject discharge is Calera Creek, an inland fresh water, and therefore, the reasonable potential analysis (RPA) and limitations in this Order are based on fresh water WQOs/WQC.

- f. **Receiving Water Hardness.** Some fresh water WQOs/WQC for metals are hardness dependent; i.e., as hardness increases in the receiving water, the toxicity of certain metals decreases. To determine applicable water quality criteria for hardness dependent metals for purposes of this reasonable potential analysis, Regional Water Board staff has used a hardness value of 128 mg/l CaCO<sub>3</sub>, which is the adjusted geometric mean of hardness data generated by the Discharger in receiving stream samples collected downstream (at the “lower discharge” location) of the point of discharge. The adjusted geometric mean is a value that 30 percent of the data points fall below. 128 mg/l CaCO<sub>3</sub> is representative of receiving stream hardness in this effluent dominated environment.
- g. **Dilution Credit.** Discharge from the Calera Creek Water Recycling Plant to Calera Creek is through a shallow water outfall. The Discharger has not provided evidence to support a dilution credit for the discharge; therefore, water quality based effluent limitations established by this Order are based on zero dilution credit.
- h. **Translators for Metals.** Because NPDES regulations at 40 CFR 122.45 (c) require effluent limitations for metals to be expressed as total recoverable metal, and applicable water quality criteria for the metals are typically expressed as dissolved metal, factors or translators must be used to convert metals concentrations from total recoverable to dissolved and vice versa. In the California Toxics Rule, USEPA establishes default translators which are used in NPDES permitting activities; however, site-specific conditions such as water temperature, pH, suspended solids, and organic carbon greatly impact the form of metal (dissolved, filterable, or otherwise) which is present and therefore available in the water to cause toxicity. In general, the dissolved form of the metals is more available and more toxic to aquatic life than filterable forms. Site-specific translators can be developed to account for site-specific conditions, thereby preventing exceedingly stringent or under protective water quality objectives.

As site-specific translators have not been developed for Calera Creek, the Regional Water Board has used default translators established by the CTR at 40 CFR 131.38 (b) (2), Table 2 to conduct the reasonable potential analysis and calculate WQBELs, when necessary.

i. **Interim Limitations and Compliance Schedules**

- (1) Pursuant to Section 2.1.1 of the SIP, “the compliance schedule provisions for the development and adoption of a TMDL only apply when: (a) the Dischargers request and demonstrates that it is infeasible for the Dischargers to achieve immediate compliance with a CTR criterion; and (b) the Discharger has made appropriate commitments to support and expedite the development of the TMDL. In determining appropriate commitments, the Regional Water Board should consider the Discharger’s contribution to current loadings and the Discharger’s ability to participate in TMDL development.”
- (2) The SIP and the Basin Plan authorize compliance schedules in a permit if an existing Discharger cannot immediately comply with a new and more stringent effluent limitation. Compliance schedules for limitations derived from CTR WQC are based on Section 2.2 of the SIP, and compliance schedules for limitations derived from

NTR and Basin Plan WQOs are based on the Basin Plan. Both the SIP and the Basin Plan require the Dischargers to demonstrate the infeasibility of achieving immediate compliance with the new limitation to qualify for a compliance schedule.

The SIP and Basin Plan require the following documentation to be submitted to the Regional Water Board to support a finding of infeasibility:

- Descriptions of diligent efforts the Dischargers have made to quantify pollutant levels in the discharge, sources of the pollutant in the waste stream, and the results of those efforts.
- Descriptions of source control and/or pollutant minimization efforts currently under way or completed.
- A proposed schedule for additional or future source control measures, pollutant minimization, or waste treatment.
- A demonstration that the proposed schedule is as short as practicable.

The Basin Plan provides for a 10-year compliance schedule to implement measures to comply with new standards as of the effective date of those standards. This provision applies to the objectives adopted in the 2004 Basin Plan Amendment. Additionally, the provision authorizes compliance schedules for new interpretations of other existing standards if the new interpretation results in more stringent limitations. This latter situation applies to NTR criteria and Basin Plan objectives in place prior to the SIP. Due to the adoption of the SIP, the Regional Water Board has newly interpreted these objectives and standards. The effective date of the new interpretation is the effective date of the SIP (April 28, 2000).

- (3) On July 5, 2006, the Discharger submitted a feasibility study, asserting that it was infeasible to immediately comply with the WQBELs, calculated according to SIP Section 1.4, for copper, mercury, cyanide and bis(2-ethylhexyl)phthalate. The Regional Water Board concurs that it is infeasible to achieve immediate compliance with final effluent limitations for bis(2-ethylhexyl)phthalate and therefore, interim limitations and compliance schedules are established by the Order for bis (2-ethylhexyl) phthalate. The Regional Water Board, however, believes that it is feasible to comply with final effluent limits for copper, mercury and cyanide.
- (4) Interim limitations for bis(2-ethylhexyl)phthalate shall remain in effect until May 18, 2010, or until the Regional Water Board amends the limitation(s) based on site-specific objectives.
- (5) This Order establishes a schedule for compliance with final effluent limitations for bis(2-ethylhexyl)phthalate that extends beyond one year. Pursuant to the SIP and 40 CFR 122.47, the Regional Water Board must establish interim numeric limitations and interim requirements to control these pollutants. This Order establishes interim limitations for bis(2-ethylhexyl)phthalate based on existing treatment plant

performance. The compliance schedule includes interim requirements and deadlines for meeting those requirements.

### 3. Determining the Need for WQBELs.

NPDES regulations at 40 CFR 122.44 (d) (1) (i) require permits to include WQBELs for all pollutants (non-priority or priority) “which the Director determines are or may be discharged at a level which will cause, have the reasonable potential to cause, or contribute to an excursion above any narrative or numeric criteria within a State water quality standard” (have Reasonable Potential). Thus, assessing whether a pollutant has Reasonable Potential is the fundamental step in determining whether or not a WQBEL is required. For non-priority pollutants, Regional Water Board staff used available monitoring data, receiving water’s designated uses, and/or previous permit pollutant limitations to determine Reasonable Potential. For priority pollutants, Regional Water Board staff used the methods prescribed in Section 1.3 of the SIP to determine if the discharge from Discharge Point 001 demonstrates Reasonable Potential.

- a. **Reasonable Potential for Non-Priority Pollutants.** For the following non-priority pollutants, Regional Water Board staff assessed available monitoring data, receiving water’s designated uses, and/or previous permit pollutant limitations to determine Reasonable Potential.

- (1) Ammonia. The WQBELs for ammonia shown in Table F-8 are retained from Order No. 99-066.

**Table F-8. Effluent Limitations for Ammonia – Order No. 99-066**

	Units	Daily Maximum	Monthly Average
Dry Season (June – Sept)	mg/l	5	2
Wet Season (Oct – May)	mg/l	10	5

These limitations were derived using USEPA methods presented in *Ambient Water Quality Criteria for Ammonia* [EPA 440/5-85-001 (1984) and EPA 822 R-98 008 (1998)]. The purpose of these limitations is to limit the contribution of nutrients from treated wastewater to the Calera Creek Wetlands, and thereby maintain the net environmental benefit of discharging to the restored wetlands area. “Net environmental benefit” is currently the justification for the Discharger’s exception to the Basin Plan’s prohibition against discharges which do not receive a minimum initial dilution of at least 10 to 1.

- (2) Whole Effluent Toxicity. The Basin Plan requires dischargers to either conduct flow-through effluent toxicity tests or perform static renewal bioassays (Chapter 4, Acute Toxicity) to measure the toxicity of wastewaters and to assess negative impacts upon water quality and beneficial uses caused by the aggregate toxic effect of the discharge of pollutants. This Order retains effluent limitations for whole effluent acute toxicity from Order No. 01-141. Compliance evaluation must be based on flow-through bioassays performed according to the U.S. EPA-approved method in 40 CFR Part

136, currently “Methods for Measuring the Acute Toxicity of Effluents and Receiving Water, 5th Edition.”

- b. **Reasonable Potential Analysis.** Using the methods prescribed in Section 1.3 of the SIP, Regional Water Board staff analyzed available effluent data from January 1, 2001 through January 1, 2006 for the Calera Creek Water Recycling Plant to determine if the discharge demonstrates Reasonable Potential. The Reasonable Potential Analysis (RPA) compares the effluent data with numeric and narrative WQOs in the Basin Plan and numeric WQC from the USEPA, the NTR, and the CTR.
- c. **Reasonable Potential Methodology.** Using the methods and procedures prescribed in Section 1.3 of the SIP, Regional Water Board staff analyzed the effluent and background data and the nature of facility operations to determine if the discharge has reasonable potential to cause or contribute to exceedances of applicable SSOs or WQC.

The RPA identifies the maximum observed effluent concentration (MEC) for each pollutant, based on effluent concentration data. There are three triggers in determining Reasonable Potential:

- (1) The first trigger is activated if the MEC is greater than the lowest applicable WQO ( $MEC \geq WQO$ ), which has been adjusted, if appropriate, for pH, hardness, and translator data. If the MEC is greater than the adjusted WQO, then that pollutant has reasonable potential, and a WQBEL is required.
  - (2) The second trigger is activated if the observed maximum ambient background concentration (B) is greater than the adjusted WQO ( $B > WQO$ ) and the pollutant was detected in any of the effluent samples.
  - (3) The third trigger is activated if a review of other information determines that a WQBEL is required to protect beneficial uses, even though both MEC and B are less than the WQO/WQC. A limitation may be required under certain circumstances to protect beneficial uses.
- d. **Effluent Data.** The Regional Water Board’s August 6, 2001 letter titled *Requirement for Monitoring of Pollutants in Effluent and Receiving Water to Implement New Statewide Regulations and Policy* (hereinafter referred to as the Regional Water Board’s August 6, 2001 Letter) to all permittees, formally required the Discharger (pursuant to CWC Section 13267) to initiate or continue to monitor for the priority pollutants using analytical methods that provide the best detection limits reasonably feasible. Regional Water Board staff analyzed these effluent data to determine if the discharge has Reasonable Potential. The RPA for this permit was based on the effluent monitoring data collected between January 1, 2001 and January 1, 2006.
  - e. **Ambient Background Data.** Ambient background values are used in the reasonable potential analysis (RPA) and in the calculation of effluent limitations. For the RPA, ambient background concentrations are the observed maximum detected water column concentrations. The SIP states that for calculating WQBELs, ambient background concentrations are either the observed maximum ambient water column concentrations

or, for criteria/objectives intended to protect human health from carcinogenic effects, the arithmetic mean of observed ambient water concentrations.

The Discharger has provided background data for eleven metals (As, Cd, Cr, Cr<sup>+6</sup>, Cu, Pb, Hg, Ni, Se, Ag, and Zn) and cyanide from March 2002 through April 2006 and for the organic priority pollutants from February 2001 through August 2005.

- f. **RPA Determination.** The MECs, WQOs/WQC, basis for the WQOs/WQC, background concentrations used, and Reasonable Potential conclusions from the RPA are listed in Table F-9 for all constituents analyzed. Some of the constituents in the CTR were not determined because of the lack of an objective/criteria or effluent data. Based on the RPA methodology in the SIP, some constituents did not demonstrate Reasonable Potential. The RPA results are shown below and Appendix A of this Fact Sheet. The pollutants that exhibit Reasonable Potential are copper; lead; mercury; cyanide; dioxin TEQ; and bis(2-ethylhexyl)phthalate.

**Table F-9. Summary of RPA Results**

CTR #	Priority Pollutants	MEC or Minimum DL [a][b] (µg/L)	Governing WQO/WQC (µg/L)	Maximum Background or Minimum DL [a][b] (µg/L)	RPA Results[c]
1	Antimony	0.5	4300	DNQ 0.3	No
2	Arsenic	1.6	150	1.2	No
3	Beryllium	< 0.1	No Criteria	<0.06	Ud
4	Cadmium	0.12	1.4	0.36	No
5a	Chromium (III)	1.0	253	9.4	No
5b	Chromium (VI)	6.0	11.4	< 2.0	No
6	Copper	12	11.5	7.0	Yes
7	Lead	0.54	4.4	5.4	Yes
8	Mercury	0.0377	0.025	0.013	Yes
9	Nickel	5.4	64	10	No
10	Selenium	1.2	5.0	1.0	No
11	Silver	0.07	6.2	< 0.1	No
12	Thallium	0.2	6.3	DNQ 0.1	No
13	Zinc	62	148	370	No
14	Cyanide	5.2	5.2	< 3.0	Yes
15	Asbestos	Not Available	No Criteria	Not Available	Ud
16	2,3,7,8 TCDD	< 0.00000036	0.000000014	Not Available	No
	Dioxin-TEQ	DNQ0.0000000157	0.000000014	Not Available	Yes
17	Acrolein	< 0.50	780	< 0.5	No
18	Acrylonitrile	< 0.33	0.66	< 0.33	No
19	Benzene	< 0.03	71	< 0.03	No
20	Bromoform	< 0.03	360	< 0.03	No
21	Carbon Tetrachloride	< 0.04	4.4	< 0.04	No
22	Chlorobenzene	< 0.03	21000	< 0.03	No
23	Chlorodibromomethane	< 0.03	34	< 0.03	No
24	Chloroethane	< 0.03	No Criteria	< 0.03	Ud
25	2-Chloroethylvinyl ether	< 0.1	No Criteria	< 0.1	Ud
26	Chloroform	0.8	No Criteria	< 0.04	Ud
27	Dichlorobromomethane	< 0.04	46	< 0.04	No
28	1,1-Dichloroethane	< 0.04	No Criteria	< 0.04	Ud
29	1,2-Dichloroethane	< 0.04	99	< 0.04	No
30	1,1-Dichloroethylene	< 0.06	3.2	Not Available	No

CTR #	Priority Pollutants	MEC or Minimum DL <sup>(a)(b)</sup> (µg/L)	Governing WQO/WQC (µg/L)	Maximum Background or Minimum DL <sup>(a)(b)</sup> (µg/L)	RPA Results <sup>(c)</sup>
31	1,2-Dichloropropane	< 0.03	39	< 0.03	No
32	1,3-Dichloropropylene	< 0.03	1700	< 0.03	No
33	Ethylbenzene	< 0.04	29000	< 0.04	No
34	Methyl Bromide	< 0.05	4000	< 0.05	No
35	Methyl Chloride	< 0.04	No Criteria	< 0.04	Ud
36	Methylene Chloride	< 0.07	1600	< 0.07	No
37	1,1,2,2-Tetrachloroethane	< 0.04	11	< 0.04	No
38	Tetrachloroethylene	< 0.06	8.85	< 0.06	No
39	Toluene	< 0.06	200000	< 0.06	No
40	1,2-Trans-Dichloroethylene	< 0.05	140000	< 0.05	No
41	1,1,1-Trichloroethane	< 0.03	No Criteria	< 0.03	Ud
42	1,1,2-Trichloroethane	< 0.05	42	< 0.05	No
43	Trichloroethylene	< 0.05	81	< 0.05	No
44	Vinyl Chloride	< 0.05	525	< 0.05	No
45	2-Chlorophenol	< 0.4	400	< 0.4	No
46	2,4-Dichlorophenol	< 0.3	790	< 0.3	No
47	2,4-Dimethylphenol	< 0.3	2300	< 0.3	No
48	2-Methyl- 4,6-Dinitrophenol	< 0.4	765	< 0.4	No
49	2,4-Dinitrophenol	< 0.3	14000	< 0.3	No
50	2-Nitrophenol	< 0.3	No Criteria	< 0.3	Ud
51	4-Nitrophenol	< 0.2	No Criteria	< 0.2	Ud
52	3-Methyl 4-Chlorophenol	< 0.3	No Criteria	< 0.3	Ud
53	Pentachlorophenol	< 0.4	8.2	< 0.4	No
54	Phenol	Not Available	4600000	< 0.2	No
55	2,4,6-Trichlorophenol	< 0.2	6.5	< 0.2	No
56	Acenaphthene	< 0.03	2700	< 0.029	No
57	Acenaphthylene	< 0.02	No Criteria	< 0.019	Ud
58	Anthracene	< 0.03	110000	< 0.029	No
59	Benzidine	< 0.3	0.00054	< 0.3	No
60	Benzo(a)Anthracene	< 0.02	0.049	< 0.019	No
61	Benzo(a)Pyrene	< 0.02	0.049	< 0.019	No
62	Benzo(b)Fluoranthene	< 0.03	0.049	< 0.029	No
63	Benzo(ghi)Perylene	< 0.03	No Criteria	< 0.029	Ud
64	Benzo(k)Fluoranthene	< 0.04	0.049	< 0.038	No
65	Bis(2-Chloroethoxy)Methane	< 0.3	No Criteria	< 0.3	Ud
66	Bis(2-Chloroethyl)Ether	< 0.3	1.4	< 0.3	No
67	Bis(2-Chloroisopropyl)Ether	< 0.3	170000	< 0.6	No
68	Bis(2-Ethylhexyl)Phthalate	<b>15</b>	5.9	< 0.3	<b>Yes</b>
69	4-Bromophenyl Phenyl Ether	< 0.4	No Criteria	< 0.4	Ud
70	Butylbenzyl Phthalate	< 0.4	5200	< 0.4	No
71	2-Chloronaphthalene	< 0.3	4300	< 0.3	No
72	4-Chlorophenyl Phenyl Ether	< 0.4	No Criteria	< 0.4	Ud
73	Chrysene	< 0.04	0.049	< 0.038	No
74	Dibenzo(a,h)Anthracene	< 0.03	0.049	< 0.029	No
75	1,2-Dichlorobenzene	< 0.03	17000	< 0.03	No
76	1,3-Dichlorobenzene	< 0.03	2600	< 0.03	No
77	1,4-Dichlorobenzene	< 0.04	2600	< 0.06	No
78	3,3 Dichlorobenzidine	< 0.2	0.077	< 0.3	No
79	Diethyl Phthalate	< 0.4	120000	< 0.4	No
80	Dimethyl Phthalate	< 0.4	2900000	< 0.4	No
81	Di-n-Butyl Phthalate	< 0.3	12000	< 0.4	No
82	2,4-Dinitrotoluene	< 0.3	9.1	< 0.3	No

CTR #	Priority Pollutants	MEC or Minimum DL <sup>[a][b]</sup> (µg/L)	Governing WQO/WQC (µg/L)	Maximum Background or Minimum DL <sup>[a][b]</sup> (µg/L)	RPA Results <sup>[c]</sup>
83	2,6-Dinitrotoluene	< 0.3	No Criteria	< 0.3	Ud
84	Di-n-Octyl Phthalate	< 0.4	No Criteria	< 0.4	Ud
85	1,2-Diphenylhydrazine	< 0.3	0.54	< 0.3	No
86	Fluoranthene	< 0.03	370	< 0.029	No
87	Fluorene	< 0.02	14000	< 0.02	No
88	Hexachlorobenzene	< 0.4	0.00077	< 0.4	No
89	Hexachlorobutadiene	< 0.2	50	< 0.2	No
90	Hexachlorocyclopentadiene	< 0.1	17000	< 0.1	No
91	Hexachloroethane	< 0.2	8.9	< 0.2	No
92	Indeno(1,2,3-cd)Pyrene	< 0.03	0.049	< 0.029	No
93	Isophorone	< 0.3	600	< 0.3	No
94	Naphthalene	< 0.02	No Criteria	< 0.019	Ud
95	Nitrobenzene	< 0.3	1900	< 0.3	No
96	N-Nitrosodimethylamine	< 0.4	8.1	< 0.4	No
97	N-Nitrosodi-n-Propylamine	< 0.3	1.4	< 0.3	No
98	N-Nitrosodiphenylamine	< 0.4	16	< 0.4	No
99	Phenanthrene	< 0.03	No Criteria	< 0.029	Ud
100	Pyrene	< 0.03	11000	< 0.029	No
101	1,2,4-Trichlorobenzene	< 0.3	No Criteria	< 0.3	Ud
102	Aldrin	< 0.003	0.00014	< 0.0029	No
103	alpha-BHC	< 0.002	0.013	< 0.002	No
104	beta-BHC	< 0.001	0.046	< 0.001	No
105	gamma-BHC	< 0.001	0.063	< 0.001	No
106	delta-BHC	< 0.001	No Criteria	< 0.001	Ud
107	Chlordane	< 0.005	0.00059	< 0.005	No
108	4,4'-DDT	< 0.001	0.00059	< 0.001	No
109	4,4'-DDE	< 0.001	0.00059	< 0.001	No
110	4,4'-DDD	< 0.001	0.00084	< 0.001	No
111	Dieldrin	< 0.002	0.00014	< 0.0019	No
112	alpha-Endosulfan	< 0.002	0.56	< 0.0019	No
113	beta-Endosulfan	< 0.001	0.056	< 0.001	No
114	Endosulfan Sulfate	< 0.001	240	< 0.001	No
115	Endrin	< 0.002	0.0023	< 0.0019	No
116	Endrin Aldehyde	< 0.002	0.81	< 0.002	No
117	Heptachlor	< 0.003	0.00021	< 0.0029	No
118	Heptachlor Epoxide	< 0.002	0.00011	< 0.0019	No
119-125	PCBs sum	< 0.03	0.00017	< 0.029	No
126	Toxaphene	< 0.15	0.00020	< 0.14	No
	Tributyltin	Not Available	No Criteria	Not Available	Ud
	Total PAHs	Not Available	No Criteria	Not Available	Ud

[a] The Maximum Effluent Concentration (MEC) or maximum background concentration is the actual detected concentration unless there is a "<" sign before it, in which case the value shown is the minimum detection level or a "DNQ" before it, in which case the value shown is detected but not quantifiable.

[b] The MEC or maximum background concentration is "Not Available" when there are no monitoring data for the constituent.

[c] RPA Results = Yes, if MEC > WQO/WQC, or B > WQO/WQC and MEC is detected;  
 = No, if MEC and B are < WQO/WQC or all effluent data are undetected;  
 = Undetermined (Ud), if no criteria have been promulgated;  
 = Cannot Determine, if there are insufficient data.

(1) Constituents with limited data. In some cases, Reasonable Potential cannot be determined because effluent data are limited, or ambient background concentrations are not available. The Discharger will continue to monitor for these constituents in the



effluent using analytical methods that provide the best feasible detection limits. When additional data become available, further RPA will be conducted to determine whether to add numeric effluent limitations to this Order or to continue monitoring.

- (2) Pollutants with no Reasonable Potential. WQBELs are not included in this Order for constituents that do not demonstrate Reasonable Potential; however, monitoring for those pollutants is still required. If concentrations of these constituents are found to have increased significantly, the Discharger will be required to investigate the source(s) of the increase(s). Remedial measures are required if the increases pose a threat to water quality in the receiving water.

The previous permit (Order No. 99-066) included WQBELs for chromium, selenium, and zinc; however, because the reasonable potential analysis showed that discharges from the Calera Creek Water Recycling Plant no longer demonstrate a reasonable potential to cause or contribute to exceedances of applicable water quality criteria for these pollutants, limitations from the previous permit are not retained and new limitations are not included in this Order.

Elimination of WQBELs for chromium, selenium, and zinc in this Order satisfies the exception to anti-backsliding requirements expressed at Section 402 (o) (2) (B) (i) of the Clean Water Act, which allows a reissued permit to include less stringent limitations when "information is available which was not available at the time of permit issuance (other than revised regulations, guidance, or test methods), and which would have justified the application of a less stringent effluent limitation at the time of permit issuance." In these circumstances, less stringent limitations (here, the elimination of limitations) are based on new data, which was generated during the term of Order No. 99-066, and which demonstrates no reasonable potential for discharges from the facility to cause or contribute to exceedances of applicable water quality standards for these pollutants.

#### 4. **WQBEL Calculations.**

WQBELs were developed for the toxic and priority pollutants that were determined to have reasonable potential to cause or contribute to exceedances of the WQOs or WQC. The WQBELs were calculated based on appropriate WQOs/WQC and the appropriate procedures specified in Section 1.4 of the SIP. A summary of these effluent limitation calculations is shown as Tables F-10 and F-11 at the end of this section.

##### a. **Copper**

- (1) *Copper WQC.* The fresh water, chronic and acute criteria from the Basin Plan and the CTR for copper for protection of aquatic life are 11.5 and 17.7 µg/l, respectively. These criteria are based on a receiving water hardness of 128 mg/L CaCO<sub>3</sub> and were determined using default translators established by the CTR at 40 CFR 131.38 (b) (2), Table 2. The criteria of 11.5 µg/l for chronic protection and 17.7 µg/l for acute protection were used to perform the RPA and to calculate effluent limitations.

- (2) *RPA Results.* This Order establishes effluent limitations for copper, as the maximum observed effluent concentration of 12 µg/l exceeds the applicable chronic water quality criterion for this pollutant, demonstrating reasonable potential by Trigger 1 of the RPA.
- (3) *Copper WQBELs.* Final WQBELs for copper, calculated according to SIP procedures and using effluent data generated during the term of Order No. 99-066 (coefficient of variation = 0.36), are 10 and 16 µg/l – the average monthly and maximum daily effluent limitations, respectively.
- (4) *Limits in the Previous Order.* Order No. 99-066 included a final, daily maximum effluent limitation for copper of 9.3 µg/l. This Order replaces this limit with a daily maximum effluent limit of 16 µg/l and an average monthly effluent limit of 10 µg/l. These limits are based on updated hardness data and the current SIP methodology for calculating WQBELs.
- (5) *Immediate Compliance Feasible.* The Discharger occasionally had difficulty complying with the copper limit in Order No. 99-066. Regional Water Board staff examined the Discharger's effluent data from January 1, 2001, through January 1, 2006, and performed a statistical analysis of the data to determine the 95th and 99th percentile of the data set. The data set was determined to be log-normally distributed. Comparison of the 95th percentile with the AMEL (9.0 µg/l vs. 10.2 µg/l) and the 99th percentile with the MDEL (11.3 µg/l vs. 16.4 µg/l) and the mean with the long term average (5.5 mg/L vs. 7.7 mg/L) shows that the Discharger can meet the final limitations. Furthermore, comparison of the 99<sup>th</sup> percentile with the previous permit limit (11.3 µg/l vs. 9.3 µg/l) verifies that the Discharger could not comply with the previous limit. Therefore, the Regional Water Board concludes that immediate compliance with new effluent limitations for copper is feasible.
- (6) *Anti-backsliding / Antidegradation.* This Order's WQBELs are higher than the limit in Order No. 00-066. However, because the Discharger was unable to comply with the previous Order's limits, adopting these new limits does not constitute backsliding or degradation. The new limits, based on new hardness data, protect beneficial uses because they were derived using the current SIP methodology. As such, the new limits are consistent with State anti-backsliding and anti-degradation requirements, as well as those of the Clean Water Act.

**b. Lead**

- (1) *Lead WQC.* The fresh water, chronic and acute criteria from the Basin Plan and the CTR for lead for protection of aquatic life are 4.4 and 112 µg/l, respectively. These criteria are based on a receiving water hardness of 128 mg/L CaCO<sub>3</sub> and were determined using default translators established by the CTR at 40 CFR 131.38 (b)(2), Table 2. The criteria of 4.4 µg/l for chronic protection and 112 µg/l for acute protection were used to perform the RPA and to calculate effluent limitations.
- (2) *RPA Results.* This Order establishes effluent limitations for lead because the maximum observed background concentration of 5.4 µg/l exceeds the applicable

chronic water quality criterion for this pollutant, and because lead was present at a detectable concentration (0.54 µg/l) in effluent, thereby demonstrating reasonable potential by Trigger 2 of the RPA.

- (3) *Lead WQBELs*. Final WQBELs for lead, calculated according to SIP procedures and using effluent data generated during the term of Order No. 99-066 (coefficient of variation = 0.31), are 3.9 and 6.0 µg/l – the average monthly and maximum daily effluent limitations, respectively.
- (4) *Limits in the Previous Order*. Order No. 99-066 included a final, daily maximum effluent limitation for lead of 3.2 µg/l. Because this limitation is more stringent than newly calculated limitations, it is retained by this Order.
- (5) *Immediate Compliance Feasible*. The discharger was able to comply with the final lead limitation of the previous Order.
- (6) *Anti-backsliding / Antidegradation*. Because the reissued permit retains effluent limitations for lead from Order No. 99-066, limitations for lead in this Order are consistent with State and Regional anti-backsliding and anti-degradation requirements, as well as those of the Clean Water Act.

**c. Mercury**

- (1) *Mercury WQC*. The fresh water, chronic and acute criteria from the Basin Plan for mercury for protection of aquatic life are 0.025 and 2.4 µg/l, respectively. These criteria were used to perform the RPA and to calculate effluent limitations.
- (2) *RPA Results*. This Order establishes effluent limitations for mercury because the maximum observed effluent concentration of 0.038 µg/l exceeds the applicable chronic water quality criterion for this pollutant, demonstrating reasonable potential by Trigger 1 of the RPA.
- (3) *Mercury WQBELs*. Final WQBELs for mercury, calculated according to SIP procedures and using effluent data generated during the term of Order No. 99-066 (coefficient of variation = 1.23), are 0.017 and 0.046 µg/l – the average monthly and maximum daily effluent limitations, respectively.
- (4) *Limits in the Previous Order*. Order No. 99-066 included a final, daily maximum effluent limitation for mercury of 0.025 µg/l. Because this limitation is less stringent than newly calculated limitations, it is not retained by this Order.
- (5) *Immediate Compliance Feasible*. Regional Water Board staff examined the Discharger's effluent data from January 1, 2001 through January 1, 2006 and performed a statistical analysis of the data to determine the 95th and 99th percentile of the data set. Here, the data set was determined to be log-normally distributed. Comparison of the 95th percentile with the AMEL (0.016 µg/l versus 0.017 µg/l) and the 99th percentile with the MDEL (0.028 µg/l versus 0.046 µg/L) and the mean with the long term average (0.0056 µg/l versus 0.0079 µg/l) shows that the Discharger can

meet the final limitations, and therefore, the Regional Water Board concludes that immediate compliance with new effluent limitations for mercury is feasible.

- (6) *Anti-backsliding / Antidegradation.* As the reissued permit includes more stringent effluent limitations for mercury than in the previous permit, this Order is consistent with State and Regional anti-backsliding and antidegradation requirements, as well as those of the Clean Water Act.

**d. Cyanide**

- (1) *Cyanide WQC.* The NTR includes WQC for cyanide applicable to inland fresh waters that are not designated as domestic and municipal supplies. Criteria from the NTR, which are applicable to Calera Creek, are 22 µg/l, a Criterion Maximum Concentration (acute criterion), and 5.2 µg/l, a Criterion Chronic Concentration (chronic criterion).
- (2) *RPA Results.* This Order establishes effluent limitations for cyanide because the 5.2 µg/l MEC is equal to the most stringent applicable criterion, demonstrating reasonable potential by Trigger 1 of the RPA procedure.
- (3) *Cyanide WQBELs.* The cyanide WQBELs calculated according to SIP procedures and using effluent data generated during the term of Order No. 99-066 (coefficient of variation = 0.43) are 7.8 µg/l maximum daily and 4.5 µg/l average monthly. Final WQBELs for cyanide, calculated according to SIP procedures, are 4.5 µg/l and 7.8 µg/l – the average monthly and maximum daily effluent limitations, respectively
- (4) *Limits in the Previous Order.* Order No. 99-066 included a final daily maximum effluent limitation of 5.2 µg/l. This Order replaces this limit with a daily maximum effluent limitation of 7.8 µg/l and an average monthly effluent limitation of 4.5 µg/l. These limits are based on updated hardness data and the current SIP methodology for calculating WQBELs.
- (5) *Immediate Compliance Feasible.* Regional Water Board staff examined the Discharger's effluent data from January 1, 2001 through January 1, 2006 and performed a statistical analysis of the data to determine the 95th and 99th percentile of the data set. The data set was determined to be normally distributed. Comparison of the 95th percentile with the AMEL (4.4 µg/l vs. 5.0 µg/l) and the 99th percentile with the MDEL (5.4 µg/l vs. 6.4 µg/l) and the mean with the long term average (2.1 µg/l vs. 3.2 µg/l) shows that the Discharger can meet the final limitations. Therefore, the Regional Water Board concludes that immediate compliance with new effluent limitations for cyanide is feasible.
- (6) *Anti-backsliding/Antidegradation.* This Order's WQBELs are consistent with State anti-backsliding and anti-degradation requirements, as well as those of the Clean Water Act. Although the new maximum daily limit is higher than that of the previous Order's mercury daily average limitation (5.2 µg/l), the new WQBELs derived using the SIP procedures (and are based on new water hardness data) are considered to be more protective of water quality. The AMEL will limit the discharge to a lower long-term average level than the previous permit limitation which only limited the daily

average concentration of the effluent, and as a result the , the Discharger could, in practice, discharge an effluent with a long-term average at the previous daily average level. The new WQBELs are, therefore, considered to be more stringent, and are established as the new WQBELs. average monthly effluent limit is more stringent and will control cyanide discharges to a more stringent long term average. The new limits, based on new hardness data, protect beneficial uses because they were derived using the current SIP methodology.

**e. Dioxin- TEQ**

- (1) *Dioxin-TEQ WQC.* Dioxins and furans are bioaccumulative substances subject to the Basin Plan's narrative objective for bioaccumulation. The narrative objective must be numerically translated to derive a numeric effluent limit. Dioxin TEQ is the toxicity weighted sum of dioxins and furans that equals the toxicity of an equivalent amount of 2,3,7,8-TCDD. The CTR contains a numeric objective for 2,3,7,8-TCDD ( $1.4 \times 10^{-8}$  µg/L) to protect human health. Because dioxin TEQ represents an equivalent amount of 2,3,7,8-TCDD, the CTR's 2,3,7,8-TCDD objective is a reasonable translator of the Basin Plan's bioaccumulation objective.
- (2) *RPA Results.* Because the maximum observed effluent concentration of Dioxin-TEQ is  $5.86 \times 10^{-7}$  µg/l, which exceeds the applicable water quality criterion for this pollutant and demonstrates reasonable potential by Trigger 1 of the RPA, the Order establishes effluent limitations for Dioxin-TEQ.
- (3) *Dioxin-TEQ WQBELs.* Final WQBELs for Dioxin-TEQ, calculated according to SIP procedures, are  $2.8 \times 10^{-8}$  and  $1.4 \times 10^{-8}$  µg/l as the maximum daily effluent limit (MDEL) and the average monthly effluent limit (AMEL), respectively.
- (4) *Limits in the Previous Order.* Order No. 99-066 did not contain a Dioxin TEQ limit.
- (5) *Immediate Compliance Infeasible.* Water Board staff examined the Discharger's effluent data from January 1, 2001 through January 1, 2006, but too few data were available to performed a statistical analysis of the dioxin TEQ data. However, because the observed maximum effluent concentration (MEC) exceeds the WQBELs, the Discharger can be expected to have difficulty meeting these limits. Therefore, final WQBELs are not included in this Order. Final effluent limits are cited in this Fact Sheet for reference only. They will become effective 10 years from the effective date of this Order or when the Water Board changes them based on wasteload allocations adopted in a TMDL.
- (6) *Anti-backsliding/Antidegradation.* Because the previous permit does not establish final effluent limitations for dioxin TEQ, this Order is consistent with State anti-backsliding and anti-degradation requirements, as well as those of the Clean Water Act.

**f. Bis(2-ethylhexyl)phthalate**

- (1) *Bis(2-ethylhexyl)phthalate WQC.* The most stringent applicable water quality criterion for bis(2-ethylhexyl)phthalate is 5.9 µg/l, established by the CTR for

protection of human health The criterion of 5.2 µg/l was used to perform the RPA and to calculate effluent limitations.

- (2) *RPA Results.* This Order establishes effluent limitations for bis(2-ethylhexyl)phthalate, as the maximum observed effluent concentration of 15 µg/l exceeds the applicable water quality criterion for this pollutant, demonstrating reasonable potential by Trigger 1 of the RPA.
- (3) *Bis(2-ethylhexyl)phthalate WQBELs.* Final WQBELs for bis(2-ethylhexyl)phthalate, calculated according to SIP procedures, are 6.0 and 15 µg/L – the average monthly and maximum daily effluent limitations, respectively.
- (4) *Limits in the Previous Order.* Order No. 99-096 did not contain a bis(2-ethylhexyl)phthalate
- (5) *Immediate Compliance Infeasible.* The Discharger's Feasibility Study asserts the Discharger cannot immediately comply with the final WQBELs for bis(2-ethylhexyl)phthalate. Regional Water Board staff examined the Discharger's effluent data from January 1, 2001 through January 1, 2006 and performed a statistical analysis of the data to determine the 95th and 99th percentile of the data set. Here, the data set was determined to be normally distributed. Comparison of the 95th percentile with the AMEL (13.4 µg/L versus 6.0 µg/L) and the 99th percentile with the MDEL (17.2 µg/L vs 15 µg/L) shows that the Discharger cannot meet the final limitations, and therefore, the Regional Water Board concurs with the Discharger's assertion of infeasibility to comply. Therefore, final WQBELs are not included in this Order.
- (6) *Anti-backsliding/Antidegradation.* Because the previous permit does not establish final effluent limitations for bis(2-ethylhexyl)phthalate, this Order is consistent with State anti-backsliding and anti-degradation requirements, as well as those of the Clean Water Act.

**Table F-10. Summary of Effluent Limitation Calculations for Copper, Lead and Mercury**

Priority Pollutants	Copper	Lead	Mercury
Basis and Criteria type	BP & CTR Fresh Water Aquatic Life	BP & CTR Fresh Water Aquatic Life	BP Fresh Water Aquatic Life
Lowest WQO	11.5	4.4	0.025
Acute Translator	0.96	0.755	---
Chronic Translator	0.96	0.755	---
Dilution Factor (D) (if applicable)	0	0	0
Number of samples per month	4	4	4
Aquatic life criteria analysis required? (Y/N)	Y	Y	Y
Human Health criteria analysis required? (Y/N)	N	N	N
Applicable Acute WQO	17.6	112	2.4
Applicable Chronic WQO	11.5	4.4	0.025
Human Health criteria	---	---	0.051
Background (max conc. for Aquatic Life calc)	7.0	5.4	0.013

Priority Pollutants	Copper	Lead	Mercury
Background (avg. conc. for HH calc)	---	---	---
Is the pollutant Bioaccumulative (Y/N)? (e.g., Hg)	N	N	Y
ECA acute	17.6	112	2.4
ECA chronic	11.5	4.4	0.025
ECA Human Health	---	---	0.051
No. of data points <10 or at least 80% of data reported non-detect? (Y/N)	N	N	N
Average of data	5.523	0.282	0.006
Standard Deviation	1.987	0.0882	0.007
Coefficient of Variation calculated	0.36	0.313	1.225
CV (Selected) – Final	0.36	0.313	1.225
ECA acute mult99	0.472	0.515	0.171
ECA chronic mult99	0.671	0.705	0.316
LTA acute	8.34	57.6	0.409
LTA chronic	7.73	3.07	0.00789
minimum of LTAs	7.73	3.07	0.00789
AMEL mult95	1.32	1.28	2.16
MDEL mult99	2.12	1.94	5.86
AMEL (aquatic life)	10	3.9	0.017
MDEL (aquatic life)	16	6.0	0.046
MDEL/AMEL Multiplier	---	---	---
AMEL (human health)	---	---	---
MDEL (human health)	---	---	---
minimum of AMEL for Aq. life vs HH	10	3.9	0.017
minimum of MDEL for Aq. Life vs HH	16	6.0	0.046
Current limit in permit (30-d avg)	---	---	---
Current limits in permit (daily average)	9.3	3.2	0.025
Final limit - AMEL	---	---	0.017
Final limit - MDEL	9.3	3.2	0.046
Max Effluent Concentration (MEC)	12	0.54	0.0377

BP – Basin Plan

CTR – California Toxics Rule

<sup>l</sup>WQO – Water quality objective

HH – Human health

ECA – Effluent concentration allowance

CV – Coefficient of variation

LTA – Long term average

AMEL – Average monthly effluent limitation

MDEL – Maximum daily effluent limitation

**Table F-11. Summary of Effluent Limitation Calculations for Cyanide, Dioxin-TEQ, and Bis(2-ethylhexyl)phthalate**

Priority Pollutants	Cyanide	Dioxin-TEQ	Bis(2-ethylhexyl) Phthalate
Basis and Criteria type	NTR Fresh Water Aquatic Life	Basin Plan Human Health	Basin Plan Human Health
Lowest WQO	5.2	$1.4 \times 10^{-8}$	5.9
Acute Translator	---	---	---
Chronic Translator	---	---	---
Dilution Factor (D) (if applicable)	0	0	0
No. of samples per month	4	4	4
Aquatic life criteria analysis required? (Y/N)	Y	N	N
HH criteria analysis required? (Y/N)	N	Y	Y
Applicable Acute WQO	25	---	---
Applicable Chronic WQO	5.2	---	---
HH <sup>[c]</sup> criteria	220,000	$1.4 \times 10^{-8}$	5.9
Background (max conc for Aquatic Life calc)	3.0	---	---
Background (avg conc for HH calc)	---	---	0.0
Is the pollutant Bioaccumulative(Y/N)? (e.g., Hg)	N	Y	N
ECA acute	22	---	---
ECA chronic	5.2	---	---
ECA HH	220,000	$1.4 \times 10^{-8}$	5.9
No. of data points <10 or at least 80% of data reported non-detect? (Y/N)	N	Y	N
Average of data	2.10	n/a	4.68
Standard Deviation	1.42	n/a	5.09
CV <sup>[c]</sup> calculated	0.429	0.6	1.09
CV <sup>[c]</sup> (Selected) - Final	0.429	0.6	1.09
ECA acute mult99	0.418	0.321	0.219
ECA chronic mult99	0.624	0.527	0.395
LTA acute	9.20	---	---
LTA chronic	3.25	---	---
minimum of LTAs	3.25	---	---
AMEL mult95	1.39	1.55	1.87
MDEL mult99	2.39	3.11	4.58
AMEL (aq life)	4.5	---	---
MDEL (aq life)	7.8	---	---
MDEL/AMEL Multiplier	---	2.01	2.45
AMEL (human hlth)	---	$1.4 \times 10^{-8}$	6.0
MDEL (human hlth)	---	$2.8 \times 10^{-8}$	15.4
minimum of AMEL for Aq. life vs HH	4.5	$1.4 \times 10^{-8}$	6.0
minimum of MDEL for Aq. Life vs HH	7.8	$2.8 \times 10^{-8}$	15.4



Priority Pollutants	Cyanide	Dioxin-TEQ	Bis(2-ethylhexyl) Phthalate
Current limit in permit (30-d avg)	---	---	---
Current limits in permit (daily average)	5.2	---	---
Final limit - AMEL	---	$1.4 \times 10^{-8}$	6.0
Final limit - MDEL	5.2	$2.8 \times 10^{-8}$	15
Max Effl. Conc. (MEC)	5.2	$1.57 \times 10^{-9}$	15

NTR – National Toxics Rule

WQO – Water quality objective

HH – Human health

ECA – Effluent concentration allowance

CV – Coefficient of variation

LTA – Long term average

AMEL – Average monthly effluent limitation

MDEL – Maximum daily effluent limitation

#### D. Final Effluent Limitations

Table F-12 shows the final effluent limitations for copper, lead, mercury, cyanide, dioxin-TEQ, and bis(2-ethylhexyl)phthalate, established as described in this Fact Sheet.

**Table F-12. Final QBELs**

Parameter	Units	Final Limitations	
		Daily Maximum (MDEL)	Monthly Average (AMEL)
Copper	µg/l	9.3	---
Lead	µg/l	3.2	---
Mercury	µg/l	0.046	0.017
Cyanide	µg/l	5.2	---
Dioxin-TEQ <sup>[1]</sup>	µg/l	$2.8 \times 10^{-8}$	$1.4 \times 10^{-8}$
Bis(2-ethylhexyl) phthalate	µg/l	15	6.0
<sup>[1]</sup> Final limitations for dioxin-TEQ will not become effective during the expected term of the Order.			

#### E. Interim Effluent Limitations

Because it is infeasible for the Discharger to immediately comply with the final QBELs for bis(2-ethylhexyl)phthalate, an interim effluent limitation is required. Regional Water Board staff considered the Discharger's effluent data from January 1, 2001 through January 1, 2006 and established the 99.87th percentile of the data set (21 µg/l) as a maximum daily, interim effluent limitation.

The bis(2-ethylhexyl)phthalate interim limitation shall remain in effect until May 18, 2010 or until the Regional Water Board amends the limitations based on additional data or an SSO, as discussed in Section IV. C. 2. i, Interim Limitations and Compliance Schedules, of this Fact Sheet.

This Order does not establish an interim effluent limitation for dioxin-TEQ because existing data are insufficient to determine a performance-based interim limitation and the previous Order did not include an effluent limitation for dioxin-TEQ.

**F. Land Discharge Specifications**

Not Applicable.

**G. Reclamation Specifications**

Not Applicable.

**V. RATIONALE FOR RECEIVING WATER LIMITATIONS**

**A. Surface Water Limitations**

These limitations are in the previous permit and are based on the narrative/numerical objectives contained in Chapter 3 of the Basin Plan.

**B. Groundwater**

Not Applicable.

**VI. RATIONALE FOR MONITORING AND REPORTING REQUIREMENTS**

The principal purposes of a monitoring program by a discharger are to:

1. Document compliance with waste discharge requirements and prohibitions established by the Regional Water Board,
2. Facilitate self-policing by the discharger in the prevention and abatement of pollution arising from waste discharge,
3. Develop or assist in the development of limitations, discharge prohibitions, national standards of performance, pretreatment and toxicity standards, and other standards, and to
4. Prepare water and wastewater quality inventories.

40 CFR 122.48 requires all NPDES permits to specify recording and reporting of monitoring results. CWC Sections 13267 and 13383 authorize the Water Boards to require technical and monitoring reports. The Monitoring and Reporting Program (MRP), Attachment E of this Order, establishes monitoring and reporting requirements to implement federal and state requirements. The following provides the rationale for the monitoring and reporting requirements contained in the MRP for the Calera Creek Water Recycling Plant.

The Monitoring and Reporting Program is a standard requirement in NPDES permits issued by the Regional Water Board, including this Order. It contains definitions of terms, specifies general sampling and analytical protocols, and sets out requirements for reporting of spills, violations, and routine monitoring data in accordance with NPDES regulations, the California Water Code, and Regional Water Board's policies. It also contains a sampling program specific for this facility. It

defines the sampling stations and frequency, the pollutants to be monitored, and additional reporting requirements. Pollutants to be monitored include all parameters for which effluent limitations are specified. Monitoring for additional constituents, for which no effluent limitations are established, is also required to provide on-going characterization of influent, effluent, and receiving waters.

#### **A. Influent Monitoring**

The following bulleted text summarizes influent monitoring requirements in the Monitoring and Reporting Program accompanying this Order, including changes from the previous Program.

- Influent monitoring requirements for BOD<sub>5</sub> and TSS are retained by this Order to allow determination of treatment removals (percent). Order No. 99-066 contained a provision to reduce influent monitoring to one time per week, if the data over two years showed no exceedances of effluent limitations. Data from the most recent two years supports a weekly monitoring requirement for these pollutants. Twice monthly monitoring for oil and grease is also retained.
- Influent monitoring requirements for metals (As, Cd, Cr<sup>6</sup>, Cu, Pb, Hg, Ni, Se, Ag, and Zn) and cyanide have not been retained, as the Discharger is not given credit for intake concentrations and compliance is determined by effluent monitoring.

#### **B. Effluent Monitoring**

The following bulleted text summarizes effluent monitoring requirements in the Monitoring and Reporting Program, which accompanies this Order, including changes from the previous Program.

- Effluent monitoring requirements for the following pollutants are retained from the previous Order: flow, BOD<sub>5</sub> and TSS (one time per week), oil and grease, turbidity, acute toxicity, nutrients (ammonia, nitrate, total organic nitrogen, and total phosphate), sulfides, and fecal coliform bacteria.
- Effluent monitoring for dissolved oxygen, pH, and temperature is no longer required in 24 hour composite samples, as results may not be representative of effluent, when samples are composited over a 24 hour period. Grab samples of effluent are required for monitoring these parameters.
- Most specific requirements pertaining to monitoring of toxic pollutants have not been retained. Provision VI. C. 2. b of the Order, instead, requires the Discharger to adhere to its Sampling Plan for toxic pollutants, approved pursuant to the Regional Water Board's letter of August 6, 2001. The August 6, 2001 letter was sent to all dischargers in the San Francisco Bay Region pursuant to CWC Section 13267 and required the Discharger to prepare a Sampling Plan and to conduct monitoring of receiving water and effluent for toxic pollutants to provide on-going characterization.
- Effluent monitoring is required one time per month for copper, cyanide, lead, and mercury and one time per quarter for Dioxin-TEQ and bis(2-ethylhexyl)phthalate – toxic pollutants which are specifically limited by this Order..

#### **C. Whole Effluent Toxicity Testing Requirements**

The Basin Plan requires dischargers to conduct flow-through effluent toxicity tests (Chapter 4, Acute Toxicity) to measure the toxicity of wastewaters and to assess negative impacts upon water quality and beneficial uses caused by the aggregate toxic effect of the discharge of pollutants. This Order includes effluent limitations for whole effluent acute toxicity. All tests shall be performed according to the U.S. EPA-approved method in 40 CFR Part 136, currently "Methods for Measuring the Acute Toxicity of Effluents and Receiving Water, 5th Edition."

This Order requires that the Discharger continue its effluent toxicity monitoring efforts as part of the compliance requirements. This requirement is based on the Basin Plan and BPJ.

Due to the high level of treatment and the lack of industrial sources, little or no chronic toxicity is expected, therefore, this Order does not include chronic toxicity requirements. However, since this discharge does not receive initial dilution, discharges to a sensitive wetlands, and has not previously determined tested for chronic toxicity, it is appropriate to require Chronic Toxicity Screening to determine what chronic toxicity requirements are warranted in future permits.

#### **D. Receiving Water Monitoring**

1. **Surface Water.** The Monitoring and Reporting Program retains most monitoring requirements at monitoring locations C-1, C-2, C-3, and C-4; however, specific monitoring requirements for toxic pollutants are not included in the Program. Instead, provision VI. C. 2. b of the Order requires the Discharger to adhere to its Sampling Plan for toxic pollutants, approved pursuant to the Regional Water Board's letter of August 6, 2001.
2. **Groundwater**

Not Applicable.

#### **E. Other Monitoring Requirements**

This Order retains visual monitoring requirements to be conducted at the perimeter of the wastewater treatment facility, within the collection system, and at receiving water monitoring stations.

### **VII. RATIONALE FOR PROVISIONS**

#### **A. Standard Provisions (Provision VI. A).**

Standard Provisions, which in accordance with 40 CFR 122.41 and 122.42 apply to all NPDES discharges and must be included in every NPDES permit, are provided in Attachment D and G of this Order.

#### **B. Monitoring and Reporting Requirements (Provision VI. B).**

The Discharger is required to conduct monitoring of the permitted discharges in order to evaluate compliance with permit conditions. Monitoring requirements are contained in the the MRP (Attachment E), Standard Provisions and SMP, Part A (Attachment G) of the Permit. This provision requires compliance with these documents, and is based on 40 CFR 122.63. The Standard Provisions and SMP, Part A are standard requirements in almost all NPDES permits issued by the

Regional Water Board, including this Order. They contain definitions of terms, specify general sampling and analytical protocols, and set out requirements for reporting of spills, violations, and routine monitoring data in accordance with NPDES regulations, the California Water Code, and Regional Water Board's policies. The Monitoring and Reporting Program contains a sampling program specific for the facility. It defines the sampling stations and frequency, the pollutants to be monitored, and additional reporting requirements. Pollutants to be monitored include all parameters for which effluent limitations are specified. Monitoring for additional constituents, for which no effluent limitations are established, is also required to provide data for future completion of Reasonable Potential Analyses for them.

**C. Special Provisions (Provision VI. C).**

1. **Reopener Provisions.** These provisions are based on 40 CFR 123 and allow future modification of this Order and its effluent limitations as necessary in response to updated WQOs that may be established in the future.
2. **Special Studies and Additional Monitoring Requirements**
  - a. **Wetland Monitoring.** This provision, which requires the discharger to continue to conduct wetlands monitoring is based on the previous permit and the California Coastal Commission Permit (Mos. 1-95-40 and 1-95-59).
  - b. **Characterization of Receiving Water and Effluent for Toxic Pollutants.** This provision, which requires the Discharger to continue to conduct receiving water monitoring is based on the previous Order and the Basin Plan.
  - c. **Chronic Toxicity Screening.** With the high level of treatment and the lack of industrial sources, little or no chronic toxicity is expected. However, since this discharge does not receive initial dilution, discharges to a sensitive wetlands, and has not previously determined tested for chronic toxicity, it is appropriate to require Chronic Toxicity Screening to determine what chronic toxicity requirements are warranted in future permits.
3. **Best Management Practices and Pollutant Minimization Program**

This provision is based on Chapter 4 of the Basin Plan, page 4-25 – 4-28, and Section 2.4.5 of the SIP. Furthermore, for bis(2-ethylhexyl)phthalate, implementation of pollutant minimization is based on Section 2.1 of the SIP because a compliance schedule is granted for this pollutant.
4. **Technical Reports – bis(2-ethylhexyl)phthalate**

Compliance schedules are established based on Section 2.1 of the SIP for limits derived from CTR WQC or based on the Basin Plan for limits derived from the Basin Plan WQOs. If an existing Discharger cannot immediately comply with a new and more stringent effluent limitation, the SIP and the Basin Plan authorize a compliance schedule in the permit. To qualify for a compliance schedule, both the SIP and Basin Plan require that the following information be submitted to the Regional Water Board to support a finding of infeasibility:

- a. documentation that diligent efforts have been made to quantify pollutant levels in the discharge and sources of the pollutant in the waste stream, including the results of those efforts;
- b. documentation of source control and/or pollution minimization efforts currently under way or completed;
- c. a proposed schedule for additional or future source control measures, pollutant minimization or waste treatment; and
- d. a demonstration that the proposed schedule is as short as practicable.

This Order establishes a compliance schedule for bis(2-ethylhexyl) phthalate that extends beyond one year, until May 18, 2010. Pursuant to the SIP and 40 CFR 122.47, the Regional Water Board must establish an interim numeric limitation and interim requirements to control this pollutant. This Order establishes interim limits for this pollutant based on the previous permit limits or existing plant performance, whichever is more stringent. The Regional Water Board may take appropriate enforcement actions if interim limitations and requirements are not met. The bis(2-ethylhexyl)phthalate interim limitation shall remain in force until May 18, 2010, or until the Regional Water Board amends the limitations based on additional data or site-specific objectives.

Maximum allowable compliance schedules are granted to the Discharger for bis(2-ethylhexyl)phthalate for which the Discharger has shown infeasibility of complying with the respective final limitations and has demonstrated that compliance schedules are justified based on the Discharger's source control and pollution minimization efforts in the past, and continued efforts in the present and future. The requirement of provision VI. C. 3 of the Order to submit a report of efforts to reduce discharges and ensure compliance with the final effluent limits is based on the Basin Plan, Chapter 4 (Implementation of Effluent limits, [F] Compliance Schedules). The Basin Plan states in part: *"The primary goal in setting compliance schedules is to promote the completion of source control and waste minimization measures ...Justification for compliance schedules will include ...(b) documentation of source control efforts currently underway or completed ..."*

#### 5. Construction, Operation, and Maintenance Specifications

- a. **Wastewater Facilities, Review and Evaluation, Status Reports.** This provision is based on the previous permit and the Basin Plan.
- b. **Operations and Maintenance Manual, Review and Status Reports.** This provision is based on the Basin Plan, the requirements of 40 CFR §122, and the previous permit.
- c. **Contingency Plan, Review and Status Reports.** This provision is based on the Basin Plan, the requirements of 40 CFR §122, and the previous permit.

#### 6. Special Provisions for Municipal Facilities (POTWs Only)

- a. **Pretreatment Program.** N/A

- b. **Sludge Management Practices Requirements.** This provision is based on the Basin Plan (Chapter IV) and 40 CFR Parts 257 and 503.
- c. **Sanitary Sewer Overflows and Sewer System Management Plan.** This provision is to explain the Order's requirements as they relate to the Discharger's collection system, and to promote consistency with the State Water Resources Control Board adopted Statewide General Waste Discharge Requirements for Sanitary Sewer Overflow (SSO WDRs) and a related Monitoring and Reporting Program (Order No. 2006-0003-DWQ). The bases for these requirements are described elsewhere in this Fact Sheet for those requirements.

## VIII. PUBLIC PARTICIPATION

The San Francisco Bay Regional Water Board is considering the issuance of waste discharge requirements (WDRs) that will serve as a National Pollutant Discharge Elimination System (NPDES) permit for Calera Creek Water Recycling Plant. As a step in the WDR adoption process, the Regional Water Board staff has developed tentative waste discharge requirements. The Regional Water Board encourages public participation in the waste discharge requirements adoption process.

### A. Notification of Interested Parties

The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations. Notification was provided through the The Recorder (published daily in San Francisco) on or around August 20, 2006.

### B. Written Comments

The staff determinations are tentative. Interested persons are invited to submit written comments concerning these tentative waste discharge requirements. Comments should be submitted either in person, by email or by mail to the Executive Office at the Regional Water Board at the address above on the cover page of this Order.

To be fully responded to by staff and considered by the Regional Water Board, written comments should be received at the Regional Water Board offices by 5:00 p.m. 30 days after the notice has been published.

### C. Public Hearing

The Regional Water Board will hold a public hearing on the tentative WDRs during its regular Board meeting on the following date and time and at the following location:

Date: October 11, 2006  
Time: 9:00 a.m.  
Location: Elihu Harris State Office Building  
1515 Clay Street, 1<sup>st</sup> Floor Auditorium  
Oakland, CA  
Contact: Derek Whitworth, (510) 622-2349, [dwhitworth@waterboards.ca.gov](mailto:dwhitworth@waterboards.ca.gov)

Interested persons are invited to attend. At the public hearing, the Regional Water Board will hear testimony, if any, pertinent to the discharge, waste discharge requirements, and permit. Oral testimony will be heard; however, for accuracy of the record, important testimony should be in writing.

Please be aware that dates and venues may change. Our web address is [www.waterboards.ca.gov/sanfranciscobay](http://www.waterboards.ca.gov/sanfranciscobay) where you can access the current agenda for changes in dates and locations.

**D. Waste Discharge Requirements Petitions**

Any aggrieved person may petition the State Water Resources Control Board to review the decision of the Regional Water Board regarding the final waste discharge requirements. The petition must be submitted within 30 days of the Regional Water Board's action to the following address:

State Water Resources Control Board  
Office of Chief Counsel  
P.O. Box 100, 1001 I Street  
Sacramento, CA 95812-0100

**E. Information and Copying**

The Report of Waste Discharge (RWD), related documents, tentative effluent limitations and special provisions, comments received, and other information are on file and may be inspected at the address above at any time between 8:30 a.m. 4:45 p.m., except from noon to 1:00 p.m., Monday through Friday. Copying of documents may be arranged through the Regional Water Board by calling (510) 622-2300.

**F. Register of Interested Persons**

Any person interested in being placed on the mailing list for information regarding the waste discharge requirements and NPDES permit should contact the Regional Water Board, reference this facility, and provide a name, address, and phone number.

**G. Additional Information**

Requests for additional information or questions regarding this order should be directed to Derek Whitworth, 510-622-2349, [dwhitworth@waterboards.ca.gov](mailto:dwhitworth@waterboards.ca.gov).



## FACT SHEET

## APPENDICES

Appendix 0 Data used in RPA calculations

Appendix 1 Applicable Water Quality Objective/Criteria

Appendix 2 Data Input for RPA

Appendix 3 Reasonable Potential Analysis Results

Appendix 4 Calculations of Coefficients of Variation

Appendix 5 WQBEL Calculations

Appendix 6 Compliance Feasibility Analysis

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
8	Pacifica Calera Creek	E-001 Eff Daily Maximum	Antimony	2/8/2005	J	0.1	ug/l				1
5	Pacifica Calera Creek	E-001 Eff Daily Maximum	Antimony	2/12/2002	J	0.3	ug/l				1
6	Pacifica Calera Creek	E-001 Eff Daily Maximum	Antimony	2/18/2003	J	0.3	ug/l				1
4	Pacifica Calera Creek	E-001 Eff Daily Maximum	Antimony	7/24/2001		0.5	ug/l				1
7	Pacifica Calera Creek	E-001 Eff Daily Maximum	Antimony	8/10/2004		0.5	ug/l				1
9											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	10/9/2001	ND	0.5	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	2/5/2001	ND	2	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	10/22/2002	J	0.4	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	7/13/2004	J	0.4	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/15/2002	J	0.6	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	7/10/2001		0.5	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	6/18/2002		0.5	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	11/15/2005		0.55	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/13/2004		0.6	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	3/9/2004		0.6	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	7/12/2005		0.67	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	12/13/2005		0.69	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	12/18/2001		0.7	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/13/2003		0.7	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	6/8/2004		0.7	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	8/9/2005		0.77	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	9/11/2001		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	11/6/2001		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	2/12/2002		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	8/20/2002		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	4/6/2004		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	5/11/2004		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	10/26/2004		0.8	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	11/9/2004		0.85	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	4/12/2005		0.88	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	3/5/2001		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	4/9/2001		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	6/4/2001		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	5/14/2002		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	2/18/2003		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	6/10/2003		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	7/8/2003		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	11/11/2003		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	2/10/2004		0.9	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	5/10/2005		0.94	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	10/11/2005		0.94	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	12/7/2004		0.96	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	6/7/2005		0.97	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	5/8/2001		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	8/7/2001		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	3/19/2002		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	7/16/2002		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	9/17/2002		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	3/13/2003		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	4/15/2003		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	9/9/2003		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/11/2005		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	2/8/2005		1	ug/l				2

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/10/2006		1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	8/12/2003		1.1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	12/9/2003		1.1	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	1/9/2001		1.2	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	5/13/2003		1.2	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	10/7/2003		1.2	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	9/14/2004		1.2	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	11/19/2002		1.4	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	3/8/2005		1.4	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	12/17/2002		1.5	ug/l				2
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	As	8/10/2004		1.6	ug/l				2
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Beryllium	7/24/2001	ND	0.1	ug/l				3
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Beryllium	2/12/2002	ND	0.1	ug/l				3
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Beryllium	2/18/2003	ND	0.1	ug/l				3
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Beryllium	8/10/2004	ND	0.1	ug/l				3
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Beryllium	2/8/2005	ND	0.1	ug/l				3
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	5/8/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	6/4/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	8/7/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	9/11/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	10/9/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	11/6/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	12/18/2001	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/15/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	2/12/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	3/19/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	5/14/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	6/18/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	7/16/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	8/20/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	9/17/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	10/22/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	11/19/2002	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/13/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	3/13/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	4/15/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	5/13/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	7/8/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	8/12/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	12/9/2003	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/13/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	3/9/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	4/6/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	5/11/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	6/8/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	10/26/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	11/9/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	12/7/2004	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/11/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	3/8/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	4/12/2005	ND	0.1	ug/l				4

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	5/10/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	6/7/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	7/12/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	10/11/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	11/15/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	12/13/2005	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/10/2006	ND	0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	2/18/2003	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	9/9/2003	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	10/7/2003	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	11/11/2003	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	2/10/2004	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	2/8/2005	J	0.03	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	12/17/2002	J	0.04	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	6/10/2003	J	0.04	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	9/14/2004	J	0.05	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	7/13/2004	J	0.06	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	8/10/2004	J	0.06	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	4/9/2001		0.02	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	1/9/2001		0.07	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	3/5/2001		0.09	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	7/10/2001		0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	8/9/2005		0.1	ug/l				4
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cd	2/5/2001		0.12	ug/l				4
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	2/12/2002	J	0.3	ug/l				5a
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	2/8/2005	j	0.4	ug/l				5a
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	2/10/2004	J	0.48	ug/l				5a
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	8/10/2004	J	0.49	ug/l				5a
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	2/18/2003		0.7	ug/l				5a
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chrom(III)	8/9/2005		1	ug/l				5a
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	6/4/2001	ND	0.01	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	9/17/2002	ND	2	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	5/13/2003	ND	2	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	3/5/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	5/8/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	7/10/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	8/7/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	9/11/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	11/6/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	12/18/2001	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/15/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	2/12/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	3/19/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	5/21/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	6/18/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	7/16/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	8/20/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	10/22/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	12/17/2002	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	2/18/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	3/11/2003	ND	10	ug/l				5b

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	4/15/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	6/13/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	8/12/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	9/9/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	10/7/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	11/11/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	12/10/2003	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/13/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	2/10/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	3/9/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	4/7/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	5/12/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	8/11/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	9/15/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	10/12/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	11/10/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	12/8/2004	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/12/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	2/7/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	3/8/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	4/12/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	5/10/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	8/10/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	10/12/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	11/16/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	12/14/2005	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/11/2006	ND	10	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	10/9/2001	ND	20	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	6/9/2004	J	1	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	6/8/2005	J	1	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/13/2003	J	1.5	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	7/8/2003	J	2	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	7/13/2005	J	2.5	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	7/14/2004	J	3	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	11/19/2002		1.6	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	4/9/2001		5	ug/l				5b
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr6	1/9/2001		6	ug/l				5b
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	5/8/2001	ND	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	8/7/2001	ND	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	3/19/2002	ND	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	10/7/2003	ND	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	11/19/2002	ND	1	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/13/2004	J	0.2	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	2/12/2002	J	0.3	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	9/17/2002	J	0.3	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	12/17/2002	J	0.3	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	4/6/2004	J	0.3	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	10/26/2004	J	0.3	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	8/20/2002	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	8/12/2003	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	11/11/2003	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	12/7/2004	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	2/8/2005	J	0.4	ug/l				

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	4/12/2005	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/10/2006	J	0.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	3/13/2003	J	0.46	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	7/8/2003	J	0.46	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	4/15/2003	J	0.47	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	2/10/2004	J	0.48	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	8/10/2004	J	0.49	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	6/8/2004	J	0.497	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	7/16/2002	J	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/11/2005	J	0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	7/10/2001		0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	5/13/2003		0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	12/9/2003		0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	3/8/2005		0.5	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	6/4/2001		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	10/9/2001		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	12/18/2001		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	5/14/2002		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	6/10/2003		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	9/9/2003		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	7/12/2005		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	10/11/2005		0.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	2/18/2003		0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	3/9/2004		0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	5/10/2005		0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	12/13/2005		0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	6/18/2002		0.8	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/13/2003		0.8	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	5/11/2004		0.8	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	11/15/2005		0.8	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	11/6/2001		0.9	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	7/13/2004		0.9	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	9/14/2004		0.9	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	6/7/2005		0.9	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	11/9/2004		1	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	8/9/2005		1	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	4/9/2001		1.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	9/11/2001		1.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	3/5/2001		2.4	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/15/2002		3.6	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	1/9/2001		5.3	ug/l				5C
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cr (Total)	2/5/2001		6.4	ug/l				
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	8/20/2002		2.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	4/6/2004		2.9	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	3/9/2004		3.2	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	8/7/2001		3.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	10/22/2002		3.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	2/12/2002		3.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/11/2005		3.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/10/2006		3.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	9/17/2002		3.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	12/9/2003		3.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	4/12/2005		3.6	ug/l				6



1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	10/11/2005		3.9	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	11/19/2002		4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/13/2004		4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	8/9/2005		4.2	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	12/18/2001		4.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	5/11/2004		4.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	6/8/2004		4.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	11/6/2001		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/15/2002		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	3/19/2002		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	2/10/2004		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	6/7/2005		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	7/12/2005		4.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	11/11/2003		4.7	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	12/13/2005		4.7	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	4/9/2001		4.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	9/9/2003		4.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	11/15/2005		4.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	3/8/2005		4.9	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	3/5/2001		5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	8/12/2003		5.1	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	12/7/2004		5.1	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	9/11/2001		5.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	12/17/2002		5.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	7/8/2003		5.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	10/26/2004		5.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	10/7/2003		5.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/9/2001		5.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	5/10/2005		5.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	10/9/2001		5.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	5/14/2002		5.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	2/5/2001		6.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	6/18/2002		6.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	7/16/2002		6.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	3/13/2003		6.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	6/4/2001		6.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	9/28/2004		6.8	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	1/13/2003		7.2	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	6/10/2003		7.2	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	11/9/2004		7.2	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	5/13/2003		7.4	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	2/8/2005		7.6	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	7/10/2001		8.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	2/18/2003		8.5	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	4/15/2003		8.9	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	5/8/2001		9.3	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	9/14/2004		10	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	7/13/2004		11	ug/l				6
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Cu	8/10/2004		12	ug/l				6
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	9/11/2001	ND	0.25	ug/l				7
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/11/2005	J	0.12	ug/l				7
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	12/9/2003	J	0.15	ug/l				7
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	4/15/2003	J	0.18	ug/l				7

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/13/2004	J	0.19	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/13/2003	J	0.2	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	4/12/2005	J	0.21	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	7/12/2005	J	0.21	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/10/2006	J	0.21	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/15/2002	J	0.22	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	3/8/2005	J	0.22	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	10/11/2005	J	0.22	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	12/13/2005	J	0.22	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	3/13/2003	J	0.23	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	5/10/2005	J	0.23	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	12/17/2002	J	0.24	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	2/10/2004	J	0.24	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	3/9/2004	J	0.24	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	5/13/2003	J	0.246	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	2/18/2003	J	0.249	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	5/11/2004	J	0.25	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	8/9/2005	J	0.25	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	12/18/2001		0.15	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	3/5/2001		0.16	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	11/19/2002		0.25	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	4/6/2004		0.25	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	5/8/2001		0.26	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	6/10/2003		0.27	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	10/7/2003		0.27	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	10/26/2004		0.27	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	12/7/2004		0.27	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	2/12/2002		0.28	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	2/5/2001		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	7/10/2001		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	11/6/2001		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	5/14/2002		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	6/18/2002		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	11/15/2005		0.29	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	7/16/2002		0.3	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	7/8/2003		0.31	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	6/7/2005		0.31	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	1/9/2001		0.32	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	10/9/2001		0.32	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	6/8/2004		0.32	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	4/9/2001		0.33	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	6/4/2001		0.33	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	9/17/2002		0.33	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	8/12/2003		0.33	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	11/11/2003		0.33	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	8/7/2001		0.36	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	9/9/2003		0.36	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	9/14/2004		0.36	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	10/22/2002		0.37	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	7/13/2004		0.4	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	3/19/2002		0.44	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	11/9/2004		0.47	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	8/20/2002		0.49	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	8/10/2004		0.5	ug/l				7
	# Pacifica Calera Creek	E-001 Eff Daily Maximum	Pb	2/8/2005		0.54	ug/l				7



1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	4/9/2001	ND	0.01	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	5/8/2001	ND	0.02	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	5/14/2002	J	0.0002	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	10/9/2001		0.0003	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/13/2003		0.0016	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	11/11/2003		0.0017	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	4/15/2003		0.0019	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	6/10/2003		0.0019	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	3/19/2002		0.002	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	5/13/2003		0.002	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	7/8/2003		0.002	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/10/2006		0.0022	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	10/7/2003		0.0023	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	3/9/2004		0.0023	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	2/12/2002		0.0024	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	6/7/2005		0.0024	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	4/6/2004		0.0025	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/15/2002		0.0028	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	10/22/2002		0.0028	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	11/6/2001		0.0029	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	12/18/2001		0.0031	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/13/2004		0.0031	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	2/18/2003		0.0032	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	2/10/2004		0.0032	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	4/12/2005		0.0032	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	8/7/2001		0.0033	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	12/9/2003		0.0033	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	12/17/2002		0.0034	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	7/16/2002		0.0035	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	5/11/2004		0.0035	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	6/8/2004		0.0035	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	11/15/2005		0.0035	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	11/19/2002		0.0036	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	12/13/2005		0.0037	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	10/11/2005		0.0038	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	3/5/2001		0.004	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	8/12/2003		0.004	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	12/7/2004		0.004	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	7/10/2001		0.0041	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	9/11/2001		0.0041	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	8/20/2002		0.0041	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	6/4/2001		0.0044	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	3/11/2003		0.0046	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	9/9/2003		0.0046	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/11/2005		0.0048	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	5/10/2005		0.0052	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	6/18/2002		0.0058	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	3/8/2005		0.0061	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	7/13/2004		0.0064	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	8/9/2005		0.0066	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	9/17/2002		0.007	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	11/23/2004		0.0079	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	7/19/2005		0.0088	ug/l				8

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	10/12/2004		0.0091	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	8/24/2004		0.011	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	9/14/2004		0.016	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	2/8/2005		0.021	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	2/5/2001		0.036	ug/l				8
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Hg	1/9/2001		0.0377	ug/l				8
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	8/7/2001		2.1	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	11/6/2001		2.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	10/9/2001		2.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	2/12/2002		2.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	10/22/2002		2.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	4/9/2001		2.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	7/10/2001		2.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	3/19/2002		2.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	6/4/2001		2.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	5/14/2002		2.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	6/8/2004		2.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	3/13/2003		2.7	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	5/13/2003		2.7	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	6/18/2002		2.8	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	4/6/2004		2.9	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	7/12/2005		2.9	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	9/11/2001		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	9/17/2002		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	6/10/2003		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	10/26/2004		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	12/7/2004		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	10/11/2005		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	11/15/2005		3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	5/8/2001		3.1	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	5/10/2005		3.1	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	8/9/2005		3.1	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	12/13/2005		3.1	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	2/5/2001		3.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	7/8/2003		3.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	10/7/2003		3.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	9/9/2003		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	2/10/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	3/9/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	5/11/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	7/13/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	8/10/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	9/14/2004		3.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	7/16/2002		3.4	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/13/2003		3.4	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	11/9/2004		3.4	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	2/18/2003		3.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	4/15/2003		3.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	2/8/2005		3.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	8/12/2003		3.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	12/9/2003		3.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/13/2004		3.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	3/8/2005		3.6	ug/l				9

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	4/12/2005		3.6	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	8/20/2002		3.7	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/11/2005		3.7	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/10/2006		3.7	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	12/18/2001		3.8	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	11/11/2003		3.8	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	6/7/2005		3.8	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/9/2001		4.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	11/19/2002		4.2	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	3/5/2001		4.3	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	1/15/2002		4.5	ug/l				9
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ni	12/17/2002		5.4	ug/l				9
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	7/10/2001	ND	0.5	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/9/2001	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	3/5/2001	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	4/9/2001	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	8/7/2001	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	10/9/2001	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/15/2002	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	5/14/2002	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	6/18/2002	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	3/13/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	5/13/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	7/8/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	8/12/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	10/7/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	11/11/2003	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/13/2004	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	3/9/2004	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	5/11/2004	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	10/26/2004	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/11/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	4/12/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	6/7/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	7/12/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	8/9/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	12/13/2005	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/10/2006	ND	1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	2/5/2001	ND	3	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	12/9/2003	J	0.5	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	3/19/2002	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	8/20/2002	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	9/9/2003	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	6/8/2004	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	7/13/2004	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	12/7/2004	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	5/10/2005	J	0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	2/12/2002	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	7/16/2002	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	9/17/2002	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	10/22/2002	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	6/10/2003	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	2/10/2004	J	0.7	ug/l				10

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	9/14/2004	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	11/15/2005	J	0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	11/19/2002	J	0.8	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	2/18/2003	J	0.8	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	2/8/2005	J	0.8	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	3/8/2005	J	0.8	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	10/11/2005	J	0.8	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	4/6/2004	J	0.9	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	1/13/2003	J	0.998	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	6/4/2001		0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	11/6/2001		0.6	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	5/8/2001		0.7	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	9/11/2001		1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	12/18/2001		1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	12/17/2002		1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	4/15/2003		1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	8/10/2004		1	ug/l				10
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Se	11/9/2004		1.2	ug/l				10
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	10/9/2001	ND	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	5/8/2001	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	7/10/2001	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	8/7/2001	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	9/11/2001	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	3/13/2003	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	4/15/2003	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	6/10/2003	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	7/8/2003	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	10/7/2003	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	4/6/2004	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	10/26/2004	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	11/9/2004	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	12/7/2004	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/11/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	3/8/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	5/10/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	6/7/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	7/12/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	8/9/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	10/11/2005	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/10/2006	ND	0.1	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	3/19/2002	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	7/16/2002	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	2/18/2003	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	5/13/2003	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	8/12/2003	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/13/2004	J	0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/15/2002	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	8/20/2002	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	10/22/2002	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	11/19/2002	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	12/17/2002	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/13/2003	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	9/9/2003	J	0.03	ug/l				11

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	12/9/2003	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	3/9/2004	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	5/11/2004	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	6/8/2004	J	0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	11/11/2003	J	0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	2/10/2004	J	0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	7/13/2004	J	0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	2/8/2005	J	0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	4/12/2005	J	0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	5/14/2002	J	0.06	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	6/18/2002	J	0.06	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	9/14/2004	J	0.06	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	11/15/2005	J	0.06	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	2/12/2002	J	0.07	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	8/10/2004	J	0.08	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	12/13/2005	J	0.08	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	11/6/2001		0.02	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	3/5/2001		0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	6/4/2001		0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	9/17/2002		0.03	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	1/9/2001		0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	12/18/2001		0.04	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	4/9/2001		0.06	ug/l				11
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ag	2/5/2001		0.07	ug/l				11
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Thallium	7/24/2001	ND	0.1	ug/l				12
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Thallium	2/8/2005	ND	0.1	ug/l				12
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Thallium	8/10/2004	J	0.06	ug/l				12
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Thallium	2/18/2003	J	0.08	ug/l				12
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Thallium	2/12/2002		0.2	ug/l				12
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	10/26/2004		14	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/11/2005		15	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	3/8/2005		15	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	4/12/2005		18	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	3/5/2001		18.8	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/10/2006		20	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	12/7/2004		21	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	5/10/2005		23	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	11/19/2002		24	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	11/9/2004		25	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	7/12/2005		25	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	4/9/2001		25.1	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	12/18/2001		26	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	6/7/2005		26	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	4/15/2003		28	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	2/8/2005		28	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	12/17/2002		29	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	12/9/2003		29	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	8/9/2005		29	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	10/11/2005		29	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	7/10/2001		30	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/13/2004		30	ug/l				13



# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	3/9/2004		30	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	4/6/2004		30	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	3/19/2002		31	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	12/13/2005		31	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/15/2002		32	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/13/2003		32	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	11/15/2005		32	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	2/10/2004		34	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	2/5/2001		35	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	3/13/2003		35	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	2/12/2002		36	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	5/13/2003		36	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	10/9/2001		38	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	2/18/2003		38	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	6/10/2003		39	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	5/11/2004		39	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	6/4/2001		40	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	8/7/2001		40	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	9/11/2001		40	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	6/18/2002		42	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	6/8/2004		42	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	1/9/2001		42.3	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	5/8/2001		43	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	5/14/2002		44	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	9/14/2004		44	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	11/6/2001		45	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	9/17/2002		46	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	8/12/2003		48	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	9/9/2003		48	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	10/7/2003		48	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	8/20/2002		49	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	7/8/2003		49	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	11/11/2003		49	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	10/22/2002		51	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	7/13/2004		56	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	8/10/2004		57	ug/l				13
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Zn	7/16/2002		62	ug/l				13
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	3/5/2001	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	6/4/2001	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	8/7/2001	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	9/18/2001	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	12/25/2001	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	6/18/2002	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	8/20/2002	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	11/19/2002	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	8/12/2003	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	9/9/2003	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	6/8/2004	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	4/12/2005	ND	3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/9/2001	ND	5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	4/9/2001	ND	5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	5/7/2001	ND	5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	7/16/2001	ND	5	ug/l				14

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	10/9/2001	ND	5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	5/14/2002	J	1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	2/18/2003	J	1.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	3/9/2004	J	1.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	12/17/2002	J	1.2	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	5/13/2003	J	1.4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	3/8/2005	J	1.4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	7/16/2002	J	1.5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/15/2002	J	1.7	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	2/12/2002	J	1.7	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	10/7/2003	J	1.7	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/13/2004	J	1.7	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	3/13/2003	J	1.9	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	3/19/2002	J	2	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	8/10/2004	J	2	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	10/22/2002	J	2.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	12/9/2003	J	2.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	2/10/2004	J	2.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/10/2006	J	2.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/13/2003	J	2.4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	12/13/2005	J	2.4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	7/12/2005	J	2.5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	9/28/2004	J	2.6	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	7/13/2004	J	2.7	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	4/6/2004	J	2.8	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	8/9/2005	J	2.8	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	11/6/2001		3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	9/17/2002		3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	4/15/2003		3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	7/8/2003		3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	5/11/2004		3	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	1/11/2005		3.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	12/7/2004		3.6	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	11/15/2005		3.6	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	11/9/2004		3.9	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	6/10/2003		4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	11/11/2003		4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	10/12/2004		4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	10/11/2005		4	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	6/7/2005		4.1	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	2/8/2005		4.5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	2/5/2001		5	ug/l				14
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CN	5/10/2005		5.20000	ug/l				14
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TCDD-TEQ	2/12/2002		0	pg/L				16-TEQ
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TCDD-TEQ	2/18/2003		0	pg/L				16-TEQ
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TCDD-TEQ	2/10/2004		0	pg/L				16-TEQ
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TCDD-TEQ	2/9/2005		0	pg/L				16-TEQ
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TCDD-TEQ	7/24/2001	J	0.00157	pg/L				16-TEQ
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	8/10/2005	ND	0.5	ug/l	5	0.5		17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/13/2001	ND	1	ug/l	5	1		17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	7/25/2001	ND	1	ug/l	5	1		17

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/19/2003	ND	1	ug/l	5	1		17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	8/10/2004	ND	1	ug/l	5	1		17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/13/2002	ND	3.3	ug/l	5	3.3		17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/12/2001	ND	5	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	7/24/2001	ND	5	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/12/2002	ND	5	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/18/2003	ND	5	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	8/9/2005	ND	5	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/8/2005	J	3	ug/l				17
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrolein	2/9/2005	J	3	ug/l	5	0.56		17
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/9/2005	ND	0.33	ug/l	2	0.33		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	8/10/2005	ND	0.6	ug/l	2	0.6		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/13/2001	ND	1	ug/l	2	1		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	7/25/2001	ND	1	ug/l	2	1		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/19/2003	ND	1	ug/l	2	1		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	8/10/2004	ND	1	ug/l	2	1		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/13/2002	ND	1.6	ug/l	2	1.6		18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/12/2001	ND	2	ug/l				18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/12/2002	ND	2	ug/l				18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/18/2003	ND	2	ug/l				18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	2/8/2005	ND	2	ug/l				18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	8/9/2005	ND	2	ug/l				18
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acrylonitr	7/24/2001	n	2	ug/l				18
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	8/10/2005	ND	0.03	ug/l	0.5	0.03		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/9/2005	ND	0.06	ug/l	0.5	0.06		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/13/2002	ND	0.27	ug/l	0.5	0.27		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/13/2001	ND	0.3	ug/l	0.5	0.3		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	7/25/2001	ND	0.3	ug/l	0.5	0.3		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/19/2003	ND	0.3	ug/l	0.5	0.3		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	8/10/2004	ND	0.3	ug/l	0.5	0.3		19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/12/2001	ND	0.5	ug/l				19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	7/24/2001	ND	0.5	ug/l				19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/12/2002	ND	0.5	ug/l				19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/18/2003	ND	0.5	ug/l				19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	2/8/2005	ND	0.5	ug/l				19
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzene	8/9/2005	ND	0.5	ug/l				19
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	8/10/2005	ND	0.03	ug/l	0.5	0.03		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	2/9/2005	ND	0.07	ug/l	0.5	0.07		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	2/13/2002	ND	0.1	ug/l	0.5	0.1		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	2/13/2001	ND	0.2	ug/l	0.5	0.2		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	7/25/2001	ND	0.2	ug/l	0.5	0.2		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	2/19/2003	ND	0.2	ug/l	0.5	0.2		20
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromoform	8/10/2004	ND	0.2	ug/l	0.5	0.2		20
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	8/10/2005	ND	0.04	ug/l	0.5	0.04		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/9/2005	ND	0.06	ug/l	0.5	0.06		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/13/2001	ND	0.42	ug/l	0.5	0.42		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	7/25/2001	ND	0.42	ug/l	0.5	0.42		21



# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/13/2002	ND	0.42	ug/l	0.5	0.42		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/19/2003	ND	0.42	ug/l	0.5	0.42		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	8/10/2004	ND	0.42	ug/l	0.5	0.42		21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/12/2001	ND	0.5	ug/l				21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	7/24/2001	ND	0.5	ug/l				21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/12/2002	ND	0.5	ug/l				21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/18/2003	ND	0.5	ug/l				21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	2/8/2005	ND	0.5	ug/l				21
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Carbon tet	8/9/2005	ND	0.5	ug/l				21
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	8/10/2005	ND	0.03	ug/l	0.5	0.03		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/9/2005	ND	0.06	ug/l	0.5	0.06		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/13/2002	ND	0.19	ug/l	0.5	0.19		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/13/2001	ND	0.3	ug/l	0.5	0.3		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	7/25/2001	ND	0.3	ug/l	0.5	0.3		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/19/2003	ND	0.3	ug/l	0.5	0.3		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	8/10/2004	ND	0.3	ug/l	0.5	0.3		22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/12/2001	ND	0.5	ug/l				22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	7/24/2001	ND	0.5	ug/l				22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/12/2002	ND	0.5	ug/l				22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/18/2003	ND	0.5	ug/l				22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	2/8/2005	ND	0.5	ug/l				22
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorobenz	8/9/2005	ND	0.5	ug/l				22
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	8/10/2005	ND	0.03	ug/l	0.5	0.03		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	2/9/2005	ND	0.07	ug/l	0.5	0.07		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	2/13/2002	ND	0.18	ug/l	0.5	0.18		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	2/13/2001	ND	0.3	ug/l	0.5	0.3		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	7/25/2001	ND	0.3	ug/l	0.5	0.3		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	2/19/2003	ND	0.3	ug/l	0.5	0.3		23
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CiDibromthan	8/10/2004	ND	0.3	ug/l	0.5	0.3		23
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	8/10/2005	ND	0.03	ug/l	0.5	0.03		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	2/9/2005	ND	0.07	ug/l	0.5	0.07		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	2/13/2001	ND	0.34	ug/l	0.5	0.34		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	7/25/2001	ND	0.34	ug/l	0.5	0.34		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	2/13/2002	ND	0.34	ug/l	0.5	0.34		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	2/19/2003	ND	0.34	ug/l	0.5	0.34		24
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroethane	8/10/2004	ND	0.34	ug/l	0.5	0.34		24
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	2/9/2005	ND	0.1	ug/l	1	0.1		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	8/10/2005	ND	0.1	ug/l	1	0.1		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	2/13/2002	ND	0.31	ug/l	1	0.31		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	2/13/2001	ND	0.32	ug/l	1	0.32		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	7/25/2001	ND	0.32	ug/l	1	0.32		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	2/19/2003	ND	0.32	ug/l	1	0.32		25
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-CEV Ether	8/10/2004	ND	0.32	ug/l	1	0.32		25
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/13/2002	ND	0.24	ug/l	0.5	0.24		26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/13/2001	ND	0.31	ug/l	0.5	0.31		26

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	7/25/2001	ND	0.31	ug/l	0.5	0.31		26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	8/10/2004	ND	0.31	ug/l	0.5	0.31		26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/12/2001	ND	0.5	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	7/24/2001	ND	0.5	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/12/2002	ND	0.5	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/8/2005	J	0.1	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/9/2005	J	0.1	ug/l	0.5	0.05		26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	8/9/2005	J	0.2	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	8/10/2005	J	0.2	ug/l	0.5	0.04		26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/18/2003		0.8	ug/l				26
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloroform	2/19/2003		0.8	ug/l	0.5	0.31		26
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	8/10/2005	ND	0.04	ug/l	0.5	0.04		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	2/9/2005	ND	0.06	ug/l	0.5	0.06		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	2/13/2001	ND	0.2	ug/l	0.5	0.2		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	7/25/2001	ND	0.2	ug/l	0.5	0.2		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	2/19/2003	ND	0.2	ug/l	0.5	0.2		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	8/10/2004	ND	0.2	ug/l	0.5	0.2		27
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DiCIBromthan	2/13/2002	ND	0.46	ug/l	0.5	0.46		27
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	8/10/2005	ND	0.04	ug/l	0.5	0.04		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	2/9/2005	ND	0.05	ug/l	0.5	0.05		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	2/13/2002	ND	0.28	ug/l	0.5	0.28		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	2/13/2001	ND	0.34	ug/l	0.5	0.34		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	7/25/2001	ND	0.34	ug/l	0.5	0.34		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	2/19/2003	ND	0.34	ug/l	0.5	0.34		28
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1-DCA	8/10/2004	ND	0.34	ug/l	0.5	0.34		28
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	8/10/2005	ND	0.04	ug/l	0.5	0.04		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/9/2005	ND	0.06	ug/l	0.5	0.06		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/13/2002	ND	0.18	ug/l	0.5	0.18		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/13/2001	ND	0.2	ug/l	0.5	0.2		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	7/25/2001	ND	0.2	ug/l	0.5	0.2		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/19/2003	ND	0.2	ug/l	0.5	0.2		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	8/10/2004	ND	0.2	ug/l	0.5	0.2		29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/12/2001	ND	0.5	ug/l				29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	7/24/2001	ND	0.5	ug/l				29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/12/2002	ND	0.5	ug/l				29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/18/2003	ND	0.5	ug/l				29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	2/8/2005	ND	0.5	ug/l				29
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	12E	8/9/2005	ND	0.5	ug/l				29
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/9/2005	ND	0.06	ug/l	0.5	0.06		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	8/10/2005	ND	0.07	ug/l	0.5	0.07		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/13/2002	ND	0.37	ug/l	0.5	0.37		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/13/2001	ND	0.49	ug/l	0.5	0.49		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	7/25/2001	ND	0.49	ug/l	0.5	0.49		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/19/2003	ND	0.49	ug/l	0.5	0.49		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	8/10/2004	ND	0.49	ug/l	0.5	0.49		30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/12/2001	ND	0.5	ug/l				30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	7/24/2001	ND	0.5	ug/l				30

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/12/2002	ND	0.5	ug/l				30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/18/2003	ND	0.5	ug/l				30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	2/8/2005	ND	0.5	ug/l				30
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	11E	8/9/2005	ND	0.5	ug/l				30
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	8/10/2005	ND	0.03	ug/l	0.5	0.03		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	2/9/2005	ND	0.05	ug/l	0.5	0.05		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	2/13/2001	ND	0.2	ug/l	0.5	0.2		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	7/25/2001	ND	0.2	ug/l	0.5	0.2		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	2/19/2003	ND	0.2	ug/l	0.5	0.2		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	8/10/2004	ND	0.2	ug/l	0.5	0.2		31
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 Dchlopro	2/13/2002	ND	0.22	ug/l	0.5	0.22		31
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	8/10/2005	ND	0.03	ug/l	0.5	0.03		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/9/2005	ND	0.06	ug/l	0.5	0.06		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/13/2001	ND	0.2	ug/l	0.5	0.2		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	7/25/2001	ND	0.2	ug/l	0.5	0.2		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/19/2003	ND	0.2	ug/l	0.5	0.2		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	8/10/2004	ND	0.2	ug/l	0.5	0.2		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/13/2002	ND	0.25	ug/l	0.5	0.25		32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/12/2001	ND	0.5	ug/l				32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	7/24/2001	ND	0.5	ug/l				32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/12/2002	ND	0.5	ug/l				32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/18/2003	ND	0.5	ug/l				32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	2/8/2005	ND	0.5	ug/l				32-cis
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	cis-1,3-DiClpe	8/9/2005	ND	0.5	ug/l				32-cis
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	8/10/2005	ND	0.05	ug/l	0.5	0.05		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	2/9/2005	ND	0.06	ug/l	0.5	0.06		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	2/13/2002	ND	0.22	ug/l	0.5	0.22		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	2/13/2001	ND	0.3	ug/l	0.5	0.3		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	7/25/2001	ND	0.3	ug/l	0.5	0.3		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	2/19/2003	ND	0.3	ug/l	0.5	0.3		32-tran
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	trans-1,3DiClpe	8/10/2004	ND	0.3	ug/l	0.5	0.3		32-tran
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	8/10/2005	ND	0.04	ug/l	0.5	0.04		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/9/2005	ND	0.06	ug/l	0.5	0.06		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/13/2002	ND	0.3	ug/l	0.5	0.3		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/13/2001	ND	0.4	ug/l	0.5	0.4		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	7/25/2001	ND	0.4	ug/l	0.5	0.4		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/19/2003	ND	0.4	ug/l	0.5	0.4		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	8/10/2004	ND	0.4	ug/l	0.5	0.4		33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/12/2001	ND	0.5	ug/l				33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	7/24/2001	ND	0.5	ug/l				33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/12/2002	ND	0.5	ug/l				33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/18/2003	ND	0.5	ug/l				33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	2/8/2005	ND	0.5	ug/l				33
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Ethylbenze	8/9/2005	ND	0.5	ug/l				33
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	2/9/2005	ND	0.05	ug/l	0.5	0.05		34
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	8/10/2005	ND	0.08	ug/l	0.5	0.08		34

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	2/13/2001	ND	0.42	ug/l	0.5	0.42		34
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	7/25/2001	ND	0.42	ug/l	0.5	0.42		34
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	2/19/2003	ND	0.42	ug/l	0.5	0.42		34
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	8/10/2004	ND	0.42	ug/l	0.5	0.42		34
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bromomethane	2/13/2002	ND	0.46	ug/l	0.5	0.46		34
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	2/9/2005	ND	0.04	ug/l	0.5	0.04		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	8/10/2005	ND	0.06	ug/l	0.5	0.06		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	2/13/2002	ND	0.36	ug/l	0.5	0.36		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	2/13/2001	ND	0.46	ug/l	0.5	0.46		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	7/25/2001	ND	0.46	ug/l	0.5	0.46		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	2/19/2003	ND	0.46	ug/l	0.5	0.46		35
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chloromethan	8/10/2004	ND	0.46	ug/l	0.5	0.46		35
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	8/10/2005	ND	0.08	ug/l	0.5	0.08		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	2/13/2002	ND	0.38	ug/l	2	0.38		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	2/13/2001	ND	0.4	ug/l	2	0.4		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	7/25/2001	ND	0.4	ug/l	2	0.4		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	2/19/2003	ND	0.4	ug/l	2	0.4		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	8/10/2004	ND	0.4	ug/l	0.5	0.4		36
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Meth_Ch	2/9/2005	J	0.2	ug/l	0.5	0.07		36
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	8/10/2005	ND	0.04	ug/l	0.5	0.04		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/9/2005	ND	0.06	ug/l	0.5	0.06		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/13/2001	ND	0.3	ug/l	0.5	0.3		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	7/25/2001	ND	0.3	ug/l	0.5	0.3		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/19/2003	ND	0.3	ug/l	0.5	0.3		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	8/10/2004	ND	0.3	ug/l	0.5	0.3		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/13/2002	ND	0.34	ug/l	0.5	0.34		37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/12/2001	ND	0.5	ug/l				37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	7/24/2001	ND	0.5	ug/l				37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/12/2002	ND	0.5	ug/l				37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/18/2003	ND	0.5	ug/l				37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	2/8/2005	ND	0.5	ug/l				37
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2,2-TCA	8/9/2005	ND	0.5	ug/l				37
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/9/2005	ND	0.06	ug/l	0.5	0.06		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	8/10/2005	ND	0.06	ug/l	0.5	0.06		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/13/2002	ND	0.32	ug/l	0.5	0.32		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/13/2001	ND	0.44	ug/l	0.5	0.44		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	7/25/2001	ND	0.44	ug/l	0.5	0.44		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/19/2003	ND	0.44	ug/l	0.5	0.44		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	8/10/2004	ND	0.44	ug/l	0.5	0.44		38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/12/2001	ND	0.5	ug/l				38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	7/24/2001	ND	0.5	ug/l				38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/12/2002	ND	0.5	ug/l				38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/18/2003	ND	0.5	ug/l				38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	2/8/2005	ND	0.5	ug/l				38
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Tetrachlor	8/9/2005	ND	0.5	ug/l				38
#											
#											

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	8/10/2005	ND	0.06	ug/l	0.5	0.06		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/13/2002	ND	0.25	ug/l	0.5	0.25		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/13/2001	ND	0.32	ug/l	0.5	0.32		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	7/25/2001	ND	0.32	ug/l	0.5	0.32	0	39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/19/2003	ND	0.32	ug/l	0.5	0.32		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	8/10/2004	ND	0.32	ug/l	0.5	0.32		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/12/2001	ND	0.5	ug/l				39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	7/24/2001	ND	0.5	ug/l				39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/12/2002	ND	0.5	ug/l				39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/18/2003	ND	0.5	ug/l				39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	8/9/2005	ND	0.5	ug/l				39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/9/2005	J	0.07	ug/l	0.5	0.06		39
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toluene	2/8/2005	J	0.07	ug/l				39
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	2/9/2005	ND	0.05	ug/l	0.5	0.05		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	8/10/2005	ND	0.06	ug/l	0.5	0.06		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	2/13/2002	ND	0.3	ug/l	0.5	0.3		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	2/13/2001	ND	0.43	ug/l	0.5	0.43		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	7/25/2001	ND	0.43	ug/l	0.5	0.43		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	2/19/2003	ND	0.43	ug/l	0.5	0.43		40
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	T-1,2-DCE	8/10/2004	ND	0.43	ug/l	0.5	0.43		40
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	8/10/2005	ND	0.03	ug/l	0.5	0.03		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/9/2005	ND	0.06	ug/l	0.5	0.06		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/13/2002	ND	0.35	ug/l	0.5	0.35		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/13/2001	ND	0.49	ug/l	0.5	0.49		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	7/25/2001	ND	0.49	ug/l	0.5	0.49		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/19/2003	ND	0.49	ug/l	0.5	0.49		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	8/10/2004	ND	0.49	ug/l	0.5	0.49		41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/12/2001	ND	0.5	ug/l				41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	7/24/2001	ND	0.5	ug/l				41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/12/2002	ND	0.5	ug/l				41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/18/2003	ND	0.5	ug/l				41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	2/8/2005	ND	0.5	ug/l				41
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,1-TCA	8/9/2005	ND	0.5	ug/l				41
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	8/10/2005	ND	0.05	ug/l	0.5	0.05		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/9/2005	ND	0.07	ug/l	0.5	0.07		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/13/2002	ND	0.27	ug/l	0.5	0.27		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/13/2001	ND	0.3	ug/l	0.5	0.3		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	7/25/2001	ND	0.3	ug/l	0.5	0.3		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/19/2003	ND	0.3	ug/l	0.5	0.3		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	8/10/2004	ND	0.3	ug/l	0.5	0.3		42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/12/2001	ND	0.5	ug/l				42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	7/24/2001	ND	0.5	ug/l				42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/12/2002	ND	0.5	ug/l				42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/18/2003	ND	0.5	ug/l				42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	2/8/2005	nd	0.5	ug/l				42
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,1,2-TCA	8/9/2005	ND	0.5	ug/l				42
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	8/10/2005	ND	0.05	ug/l	0.5	0.05		43
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	2/13/2002	ND	0.29	ug/l	0.5	0.29		43



# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	2/13/2001	ND	0.3	ug/l	0.5	0.3		43
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	7/25/2001	ND	0.3	ug/l	0.5	0.3		43
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	2/19/2003	ND	0.3	ug/l	0.5	0.3		43
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	8/10/2004	ND	0.3	ug/l	0.5	0.3		43
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	TriClethene	2/9/2005	J	0.07	ug/l	0.5	0.06		43
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/9/2005	ND	0.05	ug/l	0.5	0.05		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	8/10/2005	ND	0.06	ug/l	0.5	0.06		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/13/2002	ND	0.34	ug/l	0.5	0.34		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/13/2001	ND	0.47	ug/l	0.5	0.47		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	7/25/2001	ND	0.47	ug/l	0.5	0.47		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/19/2003	ND	0.47	ug/l	0.5	0.47		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	8/10/2004	ND	0.47	ug/l	0.5	0.47		44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/12/2001	ND	0.5	ug/l				44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	7/24/2001	ND	0.5	ug/l				44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/12/2002	ND	0.5	ug/l				44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/18/2003	ND	0.5	ug/l				44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	2/8/2005	ND	0.5	ug/l				44
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Vinyl chlo	8/9/2005	ND	0.5	ug/l				44
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	2/13/2001	ND	0.4	ug/l	5	0.4		45
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	2/13/2002	ND	0.4	ug/l	5	0.4		45
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	7/25/2001	ND	0.6	ug/l	5	0.6		45
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	2/19/2003	ND	0.6	ug/l	5	0.6		45
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	8/10/2004	ND	0.6	ug/l	2	0.6		45
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Chlorophen	8/10/2005	ND	1.2	ug/l	2	1.2		45
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	2/13/2001	ND	0.3	ug/l	5	0.3		46
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	2/13/2002	ND	0.3	ug/l	5	0.3		46
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	7/25/2001	ND	0.7	ug/l	5	0.7		46
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	2/19/2003	ND	0.7	ug/l	5	0.7		46
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	8/10/2004	ND	0.7	ug/l	1	0.7		46
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dcphenol	8/10/2005	ND	0.9	ug/l	1	0.9		46
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	2/13/2002	ND	0.3	ug/l	2	0.3		47
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	7/25/2001	ND	0.9	ug/l	2	0.9		47
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	2/19/2003	ND	0.9	ug/l	2	0.9		47
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	8/10/2004	ND	0.9	ug/l	2	0.9		47
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	2/13/2001	ND	1	ug/l	5	1		47
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dmphenol	8/10/2005	ND	1.1	ug/l	2	1.1		47
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/13/2001	ND	0.4	ug/l	5	0.4		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/13/2002	ND	0.4	ug/l	5	0.4		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	7/25/2001	ND	0.9	ug/l	5	0.9		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/19/2003	ND	0.9	ug/l	5	0.9		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	8/10/2004	ND	0.9	ug/l	5	0.9		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	8/10/2005	ND	2	ug/l	5	2		48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/9/2005	ND	4.7	ug/l				48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/12/2001	ND	5	ug/l				48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	7/24/2001	ND	5	ug/l				48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/12/2002	ND	5	ug/l				48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/18/2003	ND	5	ug/l				48

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	2/10/2004	ND	5	ug/l				48
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,6,-Dinit	8/9/2005	ND	5	ug/l				48
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/13/2001	ND	0.3	ug/l	5	0.3		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/13/2002	ND	0.3	ug/l	5	0.3		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	7/25/2001	ND	0.6	ug/l	5	0.6		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/19/2003	ND	0.6	ug/l	5	0.6		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	8/10/2004	ND	0.6	ug/l	5	0.6		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	8/10/2005	ND	2	ug/l	5	2		49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/9/2005	ND	4.7	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/12/2001	ND	5	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	7/24/2001	ND	5	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/12/2002	ND	5	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/18/2003	ND	5	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	8/9/2005	ND	5	ug/l				49
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,- Dini	2/10/2004		5	ug/l				49
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	2/13/2001	ND	0.3	ug/l	5	0.3		50
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	2/13/2002	ND	0.3	ug/l	5	0.3		50
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	7/25/2001	ND	0.7	ug/l	5	0.7		50
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	2/19/2003	ND	0.7	ug/l	5	0.7		50
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	8/10/2004	ND	0.7	ug/l	5	0.7		50
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-Nitrophen	8/10/2005	ND	1.1	ug/l	5	1.1		50
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	2/13/2001	ND	0.2	ug/l	5	0.2		51
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	2/13/2002	ND	0.2	ug/l	5	0.2		51
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	7/25/2001	ND	0.6	ug/l	5	0.6		51
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	2/19/2003	ND	0.6	ug/l	5	0.6		51
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	8/10/2004	ND	0.6	ug/l	5	0.6		51
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Nitropheno	8/10/2005	ND	1	ug/l	5	1		51
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	2/13/2002	ND	0.3	ug/l	1	0.3		52
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	2/13/2001	ND	0.5	ug/l	5	0.5		52
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	7/25/2001	ND	0.5	ug/l	1	0.5		52
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	2/19/2003	ND	0.5	ug/l	1	0.5		52
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	8/10/2004	ND	0.5	ug/l	1	0.5		52
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-cl-3mphen	8/10/2005	ND	0.93	ug/l	1	0.93		52
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	2/13/2002	ND	0.4	ug/l	1	0.4		53
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	7/25/2001	ND	0.9	ug/l	1	0.9		53
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	2/19/2003	ND	0.9	ug/l	1	0.9		53
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	8/10/2004	ND	0.9	ug/l	1	0.9		53
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	8/10/2005	ND	0.98	ug/l	1	0.98		53
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCP	2/13/2001	ND	1	ug/l	5	1		53
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/13/2001	ND	0.2	ug/l	5	0.2		55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/13/2002	ND	0.2	ug/l	5	0.2		55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	7/25/2001	ND	0.6	ug/l	5	0.6		55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/19/2003	ND	0.6	ug/l	5	0.6		55

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	8/10/2004	ND	0.6	ug/l	5	0.6		55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	8/10/2005	ND	2	ug/l	5	2		55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/9/2005	ND	4.7	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/12/2001	ND	5	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	7/24/2001	ND	5	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/12/2002	ND	5	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/18/2003	ND	5	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	2/10/2004	ND	5	ug/l				55
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4,6-Tric	8/9/2005	ND	5	ug/l				55
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	2/9/2005	ND	0.028	ug/l	0.28	0.028		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	8/10/2005	ND	0.03	ug/l	0.3	0.03		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	7/25/2001	ND	0.17	ug/l	0.3	0.17		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	2/13/2002	ND	0.17	ug/l	0.3	0.17		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	2/19/2003	ND	0.17	ug/l	0.3	0.17		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	8/10/2004	ND	0.17	ug/l	0.3	0.17		56
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acnaphthene	2/13/2001	ND	0.18	ug/l	0.3	0.18		56
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	2/9/2005	ND	0.019	ug/l	0.19	0.019		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	8/10/2005	ND	0.02	ug/l	0.2	0.02		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	7/25/2001	ND	0.03	ug/l	0.2	0.03		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	2/13/2002	ND	0.03	ug/l	0.2	0.03		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	2/19/2003	ND	0.03	ug/l	0.2	0.03		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	8/10/2004	ND	0.03	ug/l	0.2	0.03		57
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Acenaphth	2/13/2001	ND	0.19	ug/l	0.3	0.19		57
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	2/9/2005	ND	0.028	ug/l	0.28	0.028		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	8/10/2005	ND	0.03	ug/l	0.3	0.03		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	2/13/2001	ND	0.14	ug/l	0.3	0.14		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	7/25/2001	ND	0.16	ug/l	0.3	0.16		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	2/13/2002	ND	0.16	ug/l	0.3	0.16		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	2/19/2003	ND	0.16	ug/l	0.3	0.16		58
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Anthracene	8/10/2004	ND	0.16	ug/l	0.3	0.16		58
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/13/2002	ND	0.3	ug/l	5	0.3		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/13/2001	ND	0.6	ug/l	20	0.6		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	7/25/2001	ND	1	ug/l	5	1		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/19/2003	ND	1	ug/l	5	1		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	8/10/2004	ND	1	ug/l	5	1		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	8/10/2005	ND	1	ug/l	5	1		59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/9/2005	ND	4.7	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	7/24/2001	ND	5	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/12/2002	ND	5	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/18/2003	ND	5	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/10/2004	ND	5	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	8/9/2005	ND	5	ug/l				59
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Benzidine	2/12/2001	ND	20	ug/l				59
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	2/9/2005	ND	0.019	ug/l	0.28	0.019		60
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	8/10/2005	ND	0.02	ug/l	0.3	0.02		60



# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	2/13/2001	ND	0.07	ug/l	0.3	0.07		60
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	7/25/2001	ND	0.12	ug/l	0.3	0.12		60
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	2/13/2002	ND	0.12	ug/l	0.3	0.12		60
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	2/19/2003	ND	0.12	ug/l	0.3	0.12		60
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-BZ(AH)AN	8/10/2004	ND	0.12	ug/l	0.3	0.12		60
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	2/9/2005	ND	0.019	ug/l	0.28	0.019		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	8/10/2005	ND	0.02	ug/l	0.3	0.02		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	2/13/2001	ND	0.09	ug/l	0.3	0.09		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	7/25/2001	ND	0.09	ug/l	0.3	0.09		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	2/13/2002	ND	0.09	ug/l	0.3	0.09		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	2/19/2003	ND	0.09	ug/l	0.3	0.09		61
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BENZO(A)Pyre	8/10/2004	ND	0.09	ug/l	0.3	0.09		61
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	2/9/2005	ND	0.028	ug/l	0.28	0.028		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	8/10/2005	ND	0.03	ug/l	0.3	0.03		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	2/13/2001	ND	0.08	ug/l	0.3	0.08		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	7/25/2001	ND	0.11	ug/l	0.3	0.11		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	2/13/2002	ND	0.11	ug/l	0.3	0.11		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	2/19/2003	ND	0.11	ug/l	0.3	0.11		62
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,4-BFLUOR	8/10/2004	ND	0.11	ug/l	0.3	0.11		62
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	2/9/2005	ND	0.028	ug/l	0.09	0.028		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	8/10/2005	ND	0.03	ug/l	0.1	0.03		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	7/25/2001	ND	0.06	ug/l	0.1	0.06		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	2/13/2002	ND	0.06	ug/l	0.1	0.06		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	2/19/2003	ND	0.06	ug/l	0.1	0.06		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	8/10/2004	ND	0.06	ug/l	0.1	0.06		63
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,12-BZPERY	2/13/2001	ND	0.12	ug/l	0.3	0.12		63
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	2/9/2005	ND	0.037	ug/l	0.28	0.037		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	8/10/2005	ND	0.04	ug/l	0.3	0.04		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	2/13/2001	ND	0.08	ug/l	0.3	0.08		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	7/25/2001	ND	0.16	ug/l	0.3	0.16		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	2/13/2002	ND	0.16	ug/l	0.3	0.16		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	2/19/2003	ND	0.16	ug/l	0.3	0.16		64
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B(K)Flnanthn	8/10/2004	ND	0.16	ug/l	0.3	0.16		64
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/13/2002	ND	0.3	ug/l	5	0.3		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/13/2001	ND	0.5	ug/l	5	0.5		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	8/10/2005	ND	0.8	ug/l	5	0.8		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	7/25/2001	ND	0.9	ug/l	5	0.9		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/19/2003	ND	0.9	ug/l	5	0.9		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	8/10/2004	ND	0.9	ug/l	5	0.9		65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/9/2005	ND	4.7	ug/l				65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/12/2001	ND	5	ug/l				65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	7/24/2001	ND	5	ug/l				65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/12/2002	ND	5	ug/l				65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/18/2003	ND	5	ug/l				65
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	2/10/2004	ND	5	ug/l				65

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BEM	8/9/2005	ND	5	ug/l				65
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/13/2002	ND	0.3	ug/l	1	0.3		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/13/2001	ND	0.6	ug/l	5	0.6		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	7/25/2001	ND	0.7	ug/l	1	0.7		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/19/2003	ND	0.7	ug/l	1	0.7		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	8/10/2004	ND	0.7	ug/l	1	0.7		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	8/10/2005	ND	0.7	ug/l	1	0.7		66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/9/2005	ND	0.9	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	7/24/2001	ND	1	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/12/2002	ND	1	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/18/2003	ND	1	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/10/2004	ND	1	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	8/9/2005	ND	1	ug/l				66
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-chlo	2/12/2001	ND	5	ug/l				66
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/13/2001	ND	0.3	ug/l	5	0.3		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	7/25/2001	ND	0.6	ug/l	2	0.6		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/19/2003	ND	0.6	ug/l	2	0.6		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	8/10/2004	ND	0.6	ug/l	2	0.6		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	8/10/2005	ND	0.7	ug/l	2	0.7		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/13/2002	ND	1	ug/l	2	1		67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/9/2005	ND	1.9	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	7/24/2001	ND	2	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/12/2002	ND	2	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/18/2003	ND	2	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/10/2004	ND	2	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	8/9/2005	ND	2	ug/l				67
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BIT	2/12/2001	ND	5	ug/l				67
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/13/2001	ND	0.3	ug/l	5	0.3		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/12/2001	ND	5	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/10/2004	ND	5	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	8/9/2005	J	0.8	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	8/10/2005	J	0.8	ug/l	3	0.5		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	7/25/2001	J	2	ug/l	5	0.8		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/12/2002	J	5	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/13/2002	J	5	ug/l	5	0.3		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	7/24/2001		2	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	8/10/2004		9	ug/l	5	0.8		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/18/2003		10	ug/l				68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/19/2003		10	ug/l	5	0.8		68
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Bis(2-ethy	2/9/2005		15	ug/l				68
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	2/13/2001	ND	0.4	ug/l	5	0.4		69
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	7/25/2001	ND	0.4	ug/l	5	0.4		69
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	2/19/2003	ND	0.4	ug/l	5	0.4		69
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	8/10/2004	ND	0.4	ug/l	5	0.4		69
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	2/13/2002	ND	0.5	ug/l	5	0.5		69
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-BP-Phnethr	8/10/2005	ND	2	ug/l	5	2		69
#											

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	2/13/2001	ND	0.4	ug/l	5	0.4		70
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	2/13/2002	ND	0.4	ug/l	5	0.4		70
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	7/25/2001	ND	0.8	ug/l	5	0.8		70
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	2/19/2003	ND	0.8	ug/l	5	0.8		70
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	8/10/2004	ND	0.8	ug/l	5	0.8		70
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	BtIbenphthI	8/10/2005	ND	2	ug/l	5	2		70
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	2/13/2001	ND	0.3	ug/l	5	0.3		71
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	2/13/2002	ND	0.3	ug/l	5	0.3		71
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	7/25/2001	ND	0.5	ug/l	5	0.5		71
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	2/19/2003	ND	0.5	ug/l	5	0.5		71
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	8/10/2004	ND	0.5	ug/l	5	0.5		71
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2-ChIornapth	8/10/2005	ND	0.6	ug/l	5	0.6		71
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	2/13/2001	ND	0.4	ug/l	5	0.4		72
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	2/13/2002	ND	0.4	ug/l	5	0.4		72
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	7/25/2001	ND	0.5	ug/l	5	0.5		72
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	2/19/2003	ND	0.5	ug/l	5	0.5		72
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	8/10/2004	ND	0.5	ug/l	5	0.5		72
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4-Cppether	8/10/2005	ND	2	ug/l	5	2		72
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	2/9/2005	ND	0.037	ug/l	0.28	0.037		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	8/10/2005	ND	0.04	ug/l	0.3	0.04		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	2/13/2001	ND	0.07	ug/l	0.3	0.07		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	7/25/2001	ND	0.14	ug/l	0.3	0.14		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	2/13/2002	ND	0.14	ug/l	0.3	0.14		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	2/19/2003	ND	0.14	ug/l	0.3	0.14		73
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	CHRYSENE	8/10/2004	ND	0.14	ug/l	0.3	0.14		73
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	2/9/2005	ND	0.028	ug/l	0.09	0.028		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	8/10/2005	ND	0.03	ug/l	0.1	0.03		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	7/25/2001	ND	0.04	ug/l	0.1	0.04		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	2/13/2002	ND	0.04	ug/l	0.1	0.04		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	2/19/2003	ND	0.04	ug/l	0.1	0.04		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	8/10/2004	ND	0.04	ug/l	0.1	0.04		74
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DBZ(AH)ANTHR	2/13/2001	ND	0.14	ug/l	0.3	0.14		74
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	8/10/2005	ND	0.03	ug/l	0.5	0.03		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	2/13/2002	ND	0.12	ug/l	0.5	0.12		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	7/25/2001	ND	0.2	ug/l	0.5	0.2		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	2/19/2003	ND	0.2	ug/l	0.5	0.2		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	8/10/2004	ND	0.2	ug/l	0.5	0.2		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	2/13/2001	ND	0.5	ug/l	5	0.5		75
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2 DichI-B	2/9/2005	J	0.05	ug/l	0.5	0.05		75
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 DichI-B	2/9/2005	ND	0.07	ug/l	0.5	0.07		76
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 DichI-B	2/13/2002	ND	0.16	ug/l	0.5	0.16		76
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 DichI-B	7/25/2001	ND	0.3	ug/l	0.5	0.3		76

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 Dichl-B	2/19/2003	ND	0.3	ug/l	0.5	0.3		76
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 Dichl-B	8/10/2004	ND	0.3	ug/l	0.5	0.3		76
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 Dichl-B	2/13/2001	ND	0.5	ug/l	5	0.5		76
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,3 Dichl-B	8/10/2005	J	0.2	ug/l	0.5	0.03		76
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	8/10/2005	ND	0.04	ug/l	0.5	0.04		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/9/2005	ND	0.06	ug/l	0.5	0.06		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/13/2002	ND	0.12	ug/l	0.5	0.12		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	7/25/2001	ND	0.3	ug/l	0.5	0.3		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/19/2003	ND	0.3	ug/l	0.5	0.3		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/13/2001	ND	0.5	ug/l	5	0.5		77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	7/24/2001	ND	0.5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/12/2002	ND	0.5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/18/2003	ND	0.5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/8/2005	ND	0.5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	8/9/2005	ND	0.5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	2/12/2001	ND	5	ug/l				77
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,4-Dichlo	8/10/2004	J	0.14	ug/l	0.5	0.3		77
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/13/2001	ND	0.2	ug/l	5	0.2		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	7/25/2001	ND	0.3	ug/l	5	0.3		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/19/2003	ND	0.3	ug/l	5	0.3		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	8/10/2004	ND	0.3	ug/l	5	0.3		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/13/2002	ND	0.4	ug/l	5	0.4		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	8/10/2005	ND	0.6	ug/l	5	0.6		78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/9/2005	ND	4.7	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/12/2001	ND	5	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	7/24/2001	ND	5	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/12/2002	nd	5	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/18/2003	ND	5	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	2/10/2004	ND	5	ug/l				78
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	3,3-Dichlo	8/9/2005	ND	5	ug/l				78
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/13/2002	ND	0.4	ug/l	2	0.4		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/13/2001	ND	0.5	ug/l	5	0.5		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	7/25/2001	ND	0.7	ug/l	2	0.7		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/19/2003	ND	0.7	ug/l	2	0.7		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	8/10/2004	ND	0.7	ug/l	2	0.7		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	8/10/2005	ND	0.9	ug/l	2	0.9		79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/9/2005	ND	1.9	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	7/24/2001	ND	2	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/12/2002	ND	2	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/18/2003	ND	2	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/10/2004	ND	2	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	8/9/2005	ND	2	ug/l				79
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diethyl ph	2/12/2001	ND	5	ug/l				79
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/13/2002	ND	0.4	ug/l	2	0.4		80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/13/2001	ND	0.5	ug/l	5	0.5		80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	8/10/2005	ND	0.6	ug/l	2	0.6		80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	7/25/2001	ND	0.7	ug/l	2	0.7		80

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/19/2003	ND	0.7	ug/l	2	0.7		80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	8/10/2004	ND	0.7	ug/l	2	0.7		80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/9/2005	ND	1.9	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	7/24/2001	ND	2	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/12/2002	ND	2	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/18/2003	ND	2	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/10/2004	ND	2	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	8/9/2005	ND	2	ug/l				80
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dimethyl p	2/12/2001	ND	5	ug/l				80
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/13/2001	ND	0.4	ug/l	5	0.4		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/13/2002	ND	0.4	ug/l	5	0.4		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	8/10/2005	ND	0.6	ug/l	5	0.6		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	7/25/2001	ND	1	ug/l	5	1		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/19/2003	ND	1	ug/l	5	1		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	8/10/2004	ND	1	ug/l	5	1		81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/12/2001	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	7/24/2001	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/12/2002	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/18/2003	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/10/2004	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	8/9/2005	ND	5	ug/l				81
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Di-n-butyl	2/9/2005	ND	4.7	ug/l				81
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/13/2001	ND	0.3	ug/l	5	0.3		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/13/2002	ND	0.3	ug/l	5	0.3		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	7/25/2001	ND	0.6	ug/l	5	0.6		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/19/2003	ND	0.6	ug/l	5	0.6		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	8/10/2004	ND	0.6	ug/l	5	0.6		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	8/10/2005	ND	0.9	ug/l	5	0.9		82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/9/2005	ND	4.7	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/12/2001	ND	5	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	7/24/2001	ND	5	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/12/2002	ND	5	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/18/2003	ND	5	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	2/10/2004	ND	5	ug/l				82
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,4-Dinitr	8/9/2005	ND	5	ug/l				82
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	2/13/2001	ND	0.3	ug/l	5	0.3		83
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	2/13/2002	ND	0.3	ug/l	5	0.3		83
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	8/10/2005	ND	0.5	ug/l	5	0.5		83
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	7/25/2001	ND	0.6	ug/l	5	0.6		83
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	2/19/2003	ND	0.6	ug/l	5	0.6		83
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	2,6-Dntoluen	8/10/2004	ND	0.6	ug/l	5	0.6		83
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	2/13/2001	ND	0.4	ug/l	5	0.4		84
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	2/13/2002	ND	0.4	ug/l	5	0.4		84
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	8/10/2005	ND	0.7	ug/l	5	0.7		84
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	7/25/2001	ND	0.9	ug/l	5	0.9		84
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	2/19/2003	ND	0.9	ug/l	5	0.9		84
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	DI-N-Octpht	8/10/2004	ND	0.9	ug/l	5	0.9		84



1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	2/13/2002	ND	0.3	ug/l	1	0.3		85
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	7/25/2001	ND	0.6	ug/l	1	0.6		85
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	2/19/2003	ND	0.6	ug/l	1	0.6		85
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	8/10/2004	ND	0.6	ug/l	1	0.6		85
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	8/10/2005	ND	0.9	ug/l	1	0.9		85
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2-Diphen	2/13/2001	ND	1	ug/l	5	1		85
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/9/2005	ND	0.028	ug/l	0.05	0.028		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	7/25/2001	ND	0.03	ug/l	0.05	0.03		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/13/2002	ND	0.03	ug/l	0.05	0.03		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/19/2003	ND	0.03	ug/l	0.05	0.03		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	8/10/2004	ND	0.03	ug/l	0.05	0.03		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	8/10/2005	ND	0.03	ug/l	0.05	0.03		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	7/24/2001	ND	0.05	ug/l				86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/12/2002	ND	0.05	ug/l				86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/18/2003	ND	0.05	ug/l				86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/8/2005	ND	0.05	ug/l				86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	8/9/2005	ND	0.05	ug/l				86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/13/2001	ND	0.06	ug/l	0.3	0.06		86
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Fluoranth	2/12/2001	ND	5	ug/l				86
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	7/25/2001	ND	0.02	ug/l	0.1	0.02		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	2/13/2002	ND	0.02	ug/l	0.1	0.02		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	2/19/2003	ND	0.02	ug/l	0.1	0.02		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	8/10/2004	ND	0.02	ug/l	0.1	0.02		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	2/9/2005	ND	0.028	ug/l	0.09	0.028		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	8/10/2005	ND	0.03	ug/l	0.1	0.03		87
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	FLUORENE	2/13/2001	ND	0.17	ug/l	0.3	0.17		87
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	7/25/2001	ND	0.4	ug/l	1	0.4		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/13/2002	ND	0.4	ug/l	1	0.4		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/19/2003	ND	0.4	ug/l	1	0.4		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	8/10/2004	ND	0.4	ug/l	1	0.4		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/13/2001	ND	0.5	ug/l	5	0.5		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	8/10/2005	ND	0.8	ug/l	1	0.8		88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/9/2005	ND	0.9	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	7/24/2001	ND	1	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/12/2002	ND	1	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/18/2003	ND	1	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/10/2004	ND	1	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	8/9/2005	ND	1	ug/l				88
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCb	2/12/2001	ND	5	ug/l				88
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/13/2002	ND	0.2	ug/l	1	0.2		89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/13/2001	ND	0.3	ug/l	5	0.3		89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	7/25/2001	ND	0.7	ug/l	1	0.7		89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/19/2003	ND	0.7	ug/l	1	0.7		89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	8/10/2004	ND	0.7	ug/l	1	0.7		89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	8/10/2005	ND	0.8	ug/l	1	0.8		89

1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/9/2005	ND	0.9	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	7/24/2001	ND	1	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/18/2003	ND	1	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/10/2004	ND	1	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	8/9/2005	ND	1	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/12/2001	ND	5	ug/l				89
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBU	2/12/2002		1	ug/l				89
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/13/2001	ND	0.1	ug/l	5	0.1		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/13/2002	ND	0.1	ug/l	5	0.1		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	7/25/2001	ND	0.4	ug/l	5	0.4		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/19/2003	ND	0.4	ug/l	5	0.4		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	8/10/2004	ND	0.4	ug/l	5	0.4		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	8/10/2005	ND	0.8	ug/l	1	0.8		90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/9/2005	ND	0.9	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	8/9/2005	ND	1	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/12/2001	ND	5	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	7/24/2001	ND	5	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/12/2002	ND	5	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/18/2003	ND	5	ug/l				90
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HCP	2/10/2004	ND	5	ug/l				90
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/13/2002	ND	0.2	ug/l	1	0.2		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/13/2001	ND	0.6	ug/l	5	0.6		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	7/25/2001	ND	0.6	ug/l	1	0.6		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/19/2003	ND	0.6	ug/l	1	0.6		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	8/10/2004	ND	0.6	ug/l	1	0.6		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/9/2005	ND	0.9	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	8/10/2005	ND	0.9	ug/l	1	0.9		91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	7/24/2001	ND	1	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/12/2002	ND	1	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/18/2003	ND	1	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/10/2004	ND	1	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	8/9/2005	ND	1	ug/l				91
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	HBE	2/12/2001	ND	5	ug/l				91
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	2/9/2005	ND	0.028	ug/l	0.05	0.028		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	8/10/2005	ND	0.03	ug/l	0.05	0.03		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	7/25/2001	ND	0.04	ug/l	0.05	0.04		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	2/13/2002	ND	0.04	ug/l	0.05	0.04		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	2/19/2003	ND	0.04	ug/l	0.05	0.04		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	8/10/2004	ND	0.04	ug/l	0.05	0.04		92
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	INDENO PYREN	2/13/2001	ND	0.18	ug/l	0.3	0.18		92
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/13/2002	ND	0.3	ug/l	1	0.3		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/13/2001	ND	0.5	ug/l	5	0.5		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	8/10/2005	ND	0.5	ug/l	1	0.5		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	7/25/2001	ND	0.8	ug/l	1	0.8		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/19/2003	ND	0.8	ug/l	1	0.8		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	8/10/2004	ND	0.8	ug/l	1	0.8		93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/9/2005	ND	0.9	ug/l				93

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	7/24/2001	ND	1	ug/l				93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/12/2002	ND	1	ug/l				93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/18/2003	ND	1	ug/l				93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/10/2004	ND	1	ug/l				93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	8/9/2005	ND	1	ug/l				93
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Isophorone	2/12/2001	ND	5	ug/l				93
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	2/9/2005	ND	0.019	ug/l	0.2	0.019		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	8/10/2005	ND	0.02	ug/l	0.2	0.02		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	7/25/2001	ND	0.05	ug/l	0.2	0.05		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	2/13/2002	ND	0.05	ug/l	0.2	0.05		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	2/19/2003	ND	0.05	ug/l	0.2	0.05		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	8/10/2004	ND	0.05	ug/l	0.2	0.05		94
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Naphthalene	2/13/2001	ND	0.21	ug/l	0.3	0.21		94
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/13/2002	ND	0.3	ug/l	1	0.3		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	7/25/2001	ND	0.7	ug/l	1	0.7		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/19/2003	ND	0.7	ug/l	1	0.7		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	8/10/2004	ND	0.7	ug/l	1	0.7		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	8/10/2005	ND	0.7	ug/l	1	0.7		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/13/2001	ND	0.8	ug/l	5	0.8		95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/9/2005	ND	0.9	ug/l				95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/12/2002	ND	1	ug/l				95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/18/2003	ND	1	ug/l				95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	2/10/2004	ND	1	ug/l				95
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Nitrobenzene	8/9/2005	ND	1	ug/l				95
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/13/2002	ND	0.4	ug/l	5	0.4		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	7/25/2001	ND	0.6	ug/l	5	0.6		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/19/2003	ND	0.6	ug/l	5	0.6		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	8/10/2004	ND	0.6	ug/l	5	0.6		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	8/10/2005	ND	0.6	ug/l	5	0.6		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/13/2001	ND	2	ug/l	5	2		96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/9/2005	ND	4.7	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/12/2001	ND	5	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	7/24/2001	ND	5	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/12/2002	ND	5	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/18/2003	ND	5	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	2/10/2004	ND	5	ug/l				96
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NME	8/9/2005	ND	5	ug/l				96
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	2/13/2001	ND	0.3	ug/l	5	0.3		97
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	2/13/2002	ND	0.3	ug/l	5	0.3		97
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	7/25/2001	ND	0.8	ug/l	5	0.8		97
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	2/19/2003	ND	0.8	ug/l	5	0.8		97
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	8/10/2004	ND	0.8	ug/l	5	0.8		97
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	N-nitrodpra	8/10/2005	ND	0.8	ug/l	5	0.8		97
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/13/2002	ND	0.4	ug/l	1	0.4		98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/13/2001	ND	0.5	ug/l	5	0.5		98



# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	8/10/2005	ND	0.6	ug/l	1	0.6		98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	7/25/2001	ND	0.7	ug/l	1	0.7		98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/19/2003	ND	0.7	ug/l	1	0.7		98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	8/10/2004	ND	0.7	ug/l	1	0.7		98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/9/2005	ND	0.9	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	7/24/2001	ND	1	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/12/2002	ND	1	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/18/2003	ND	1	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/10/2004	ND	1	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	8/9/2005	ND	1	ug/l				98
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	NPH	2/12/2001	ND	5	ug/l				98
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	2/9/2005	ND	0.028	ug/l	0.05	0.028		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	7/25/2001	ND	0.03	ug/l	0.05	0.03		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	2/13/2002	ND	0.03	ug/l	0.05	0.03		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	2/19/2003	ND	0.03	ug/l	0.05	0.03		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	8/10/2004	ND	0.03	ug/l	0.05	0.03		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	8/10/2005	ND	0.03	ug/l	0.05	0.03		99
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Phenanthrene	2/13/2001	ND	0.14	ug/l	0.3	0.14		99
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	2/9/2005	ND	0.028	ug/l	0.05	0.028		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	7/25/2001	ND	0.03	ug/l	0.05	0.03		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	2/13/2002	ND	0.03	ug/l	0.05	0.03		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	2/19/2003	ND	0.03	ug/l	0.05	0.03		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	8/10/2004	ND	0.03	ug/l	0.05	0.03		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	8/10/2005	ND	0.03	ug/l	0.05	0.03		100
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Pyrene	2/13/2001	ND	0.046	ug/l	0.3	0.046		100
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	2/13/2002	ND	0.3	ug/l	5	0.3		101
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	7/25/2001	ND	0.6	ug/l	5	0.6		101
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	2/19/2003	ND	0.6	ug/l	5	0.6		101
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	8/10/2004	ND	0.6	ug/l	5	0.6		101
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	2/13/2001	ND	0.9	ug/l	5	0.9		101
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	1,2,4-Tcbenz	8/10/2005	ND	1.3	ug/l	5	1.3		101
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/13/2001	ND	0.003	ug/l	0.01	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	7/25/2001	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/13/2002	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/19/2003	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	8/10/2004	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/9/2005	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	8/10/2005	ND	0.003	ug/l	0.005	0.003		102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	7/24/2001	ND	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/12/2002	ND	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/18/2003	ND	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/10/2004	ND	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/8/2005	nd	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	8/9/2005	ND	0.005	ug/l				102
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Aldrin	2/12/2001	ND	0.01	ug/l				102
#											
#											

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	2/13/2002	ND	0.002	ug/l	0.01	0.002		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	2/13/2001	ND	0.003	ug/l	0.01	0.003		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	7/25/2001	ND	0.003	ug/l	0.01	0.003		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	2/19/2003	ND	0.003	ug/l	0.01	0.003		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	8/10/2004	ND	0.003	ug/l	0.01	0.003		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	2/9/2005	ND	0.003	ug/l	0.01	0.003		103
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	A-BHC	8/10/2005	ND	0.003	ug/l	0.01	0.003		103
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	2/13/2002	ND	0.001	ug/l	0.005	0.001		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	2/9/2005	ND	0.003	ug/l	0.005	0.003		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	8/10/2005	ND	0.003	ug/l	0.005	0.003		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	2/13/2001	ND	0.004	ug/l	0.01	0.004		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	7/25/2001	ND	0.004	ug/l	0.005	0.004		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	2/19/2003	ND	0.004	ug/l	0.005	0.004		104
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	B-BHC	8/10/2004	ND	0.004	ug/l	0.005	0.004		104
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	2/13/2002	ND	0.001	ug/l	0.01	0.001		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	2/13/2001	ND	0.003	ug/l	0.01	0.003		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	7/25/2001	ND	0.003	ug/l	0.01	0.003		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	2/19/2003	ND	0.003	ug/l	0.01	0.003		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	8/10/2004	ND	0.003	ug/l	0.01	0.003		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	2/9/2005	ND	0.003	ug/l	0.01	0.003		105
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	G-BHC	8/10/2005	ND	0.003	ug/l	0.01	0.003		105
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	2/13/2002	ND	0.001	ug/l	0.005	0.001		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	2/13/2001	ND	0.002	ug/l	0.01	0.002		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	7/25/2001	ND	0.002	ug/l	0.005	0.002		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	2/19/2003	ND	0.002	ug/l	0.005	0.002		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	8/10/2004	ND	0.002	ug/l	0.005	0.002		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	2/9/2005	ND	0.003	ug/l	0.005	0.003		106
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Delta-BHC	8/10/2005	ND	0.003	ug/l	0.005	0.003		106
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/13/2001	ND	0.005	ug/l	0.02	0.005		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	7/25/2001	ND	0.005	ug/l	0.02	0.005		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/13/2002	ND	0.005	ug/l	0.02	0.005		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/19/2003	ND	0.005	ug/l	0.02	0.005		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	8/10/2004	ND	0.005	ug/l	0.02	0.005		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/12/2001	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	7/24/2001	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/12/2002	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/18/2003	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/10/2004	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/8/2005	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	2/9/2005	ND	0.02	ug/l	0.02	0.02		107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	8/9/2005	ND	0.02	ug/l				107
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlordane	8/10/2005	ND	0.02	ug/l	0.02	0.02		107
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	2/13/2002	ND	0.001	ug/l	0.01	0.001		108
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	2/13/2001	ND	0.002	ug/l	0.01	0.002		108
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	7/25/2001	ND	0.002	ug/l	0.01	0.002		108

# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	2/19/2003	ND	0.002	ug/l	0.01	0.002		108
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	8/10/2004	ND	0.002	ug/l	0.01	0.002		108
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	2/9/2005	ND	0.002	ug/l	0.01	0.002		108
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDD	8/10/2005	ND	0.002	ug/l	0.01	0.002		108
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	2/13/2002	ND	0.001	ug/l	0.01	0.001		109
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	2/13/2001	ND	0.002	ug/l	0.01	0.002		109
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	7/25/2001	ND	0.002	ug/l	0.01	0.002		109
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	2/19/2003	ND	0.002	ug/l	0.01	0.002		109
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	8/10/2004	ND	0.002	ug/l	0.01	0.002		109
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDE	2/9/2005	ND	0.003	ug/l	0.01	0.003		109
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	2/13/2002	ND	0.001	ug/l	0.01	0.001		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	2/13/2001	ND	0.003	ug/l	0.01	0.003		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	7/25/2001	ND	0.003	ug/l	0.01	0.003		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	2/19/2003	ND	0.003	ug/l	0.01	0.003		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	8/10/2004	ND	0.003	ug/l	0.01	0.003		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	2/9/2005	ND	0.003	ug/l	0.01	0.003		110
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	4,4'-DDT	8/10/2005	ND	0.003	ug/l	0.01	0.003		110
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/13/2001	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	7/25/2001	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/13/2002	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/19/2003	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	8/10/2004	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/9/2005	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	8/10/2005	ND	0.002	ug/l	0.01	0.002		111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/12/2002	nd	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/10/2004	nd	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/8/2005	nd	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	8/9/2005	ND	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/12/2001	n	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	7/24/2001	n	0.01	ug/l				111
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Dieldrin	2/18/2003	ND	0.01	ug/l				111
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	2/13/2001	ND	0.002	ug/l	0.01	0.002		112
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	7/25/2001	ND	0.002	ug/l	0.01	0.002		112
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	2/19/2003	ND	0.002	ug/l	0.01	0.002		112
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	8/10/2004	ND	0.002	ug/l	0.01	0.002		112
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	2/9/2005	ND	0.002	ug/l	0.01	0.002		112
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-A	2/13/2002	ND	0.003	ug/l	0.01	0.003		112
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	2/13/2002	ND	0.001	ug/l	0.01	0.001		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	2/13/2001	ND	0.002	ug/l	0.01	0.002		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	7/25/2001	ND	0.002	ug/l	0.01	0.002		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	2/19/2003	ND	0.002	ug/l	0.01	0.002		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	8/10/2004	ND	0.002	ug/l	0.01	0.002		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	2/9/2005	ND	0.002	ug/l	0.01	0.002		113
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulfan-B	8/10/2005	ND	0.002	ug/l	0.01	0.002		113
#											

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	2/13/2002	ND	0.001	ug/l	0.01	0.001		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	2/13/2001	ND	0.002	ug/l	0.01	0.002		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	7/25/2001	ND	0.002	ug/l	0.01	0.002		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	2/19/2003	ND	0.002	ug/l	0.01	0.002		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	8/10/2004	ND	0.002	ug/l	0.01	0.002		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	2/9/2005	ND	0.003	ug/l	0.01	0.003		114
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endosulf SO4	8/10/2005	ND	0.003	ug/l	0.01	0.003		114
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/13/2001	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	7/25/2001	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/13/2002	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/19/2003	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	8/10/2004	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/9/2005	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	8/10/2005	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	8/10/2005	ND	0.002	ug/l	0.01	0.002		115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/10/2004	ND	0.01	ug/l				115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/8/2005	ND	0.01	ug/l				115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/18/2003	ND	0.03	ug/l				115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	8/9/2005	ND	0.01	ug/l				115
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin	2/12/2002	ND	0.03	ug/l				115
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	2/13/2001	ND	0.002	ug/l	0.01	0.002		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	7/25/2001	ND	0.002	ug/l	0.01	0.002		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	2/13/2002	ND	0.002	ug/l	0.01	0.002		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	2/19/2003	ND	0.002	ug/l	0.01	0.002		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	8/10/2004	ND	0.002	ug/l	0.01	0.002		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	2/9/2005	ND	0.003	ug/l	0.01	0.003		116
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Endrin Aldeh	8/10/2005	ND	0.003	ug/l	0.01	0.003		116
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/13/2001	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	7/25/2001	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/13/2002	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/19/2003	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	8/10/2004	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/9/2005	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	8/10/2005	ND	0.003	ug/l	0.01	0.003		117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/12/2001	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	7/24/2001	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/12/2002	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/10/2004	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/8/2005	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	8/9/2005	ND	0.01	ug/l				117
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptachlor	2/18/2003	ND	0.02	ug/l				117
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	2/13/2002	ND	0.002	ug/l	0.01	0.002		118
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	2/9/2005	ND	0.002	ug/l	0.01	0.002		118
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	8/10/2005	ND	0.002	ug/l	0.01	0.002		118
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	2/13/2001	ND	0.003	ug/l	0.01	0.003		118
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	7/25/2001	ND	0.003	ug/l	0.01	0.003		118

# 1 Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	2/19/2003	ND	0.003	ug/l	0.01	0.003		118
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Heptchl	8/10/2004	ND	0.003	ug/l	0.01	0.003		118
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	2/9/2005	ND	0.03	ug/l	0.1	0.03		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	8/10/2005	ND	0.03	ug/l	0.1	0.03		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	2/13/2001	ND	0.05	ug/l	0.1	0.05		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	7/25/2001	ND	0.05	ug/l	0.1	0.05		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	2/19/2003	ND	0.05	ug/l	0.1	0.05		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	8/10/2004	ND	0.05	ug/l	0.1	0.05		119
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1016	2/13/2002	ND	0.08	ug/l	0.1	0.08		119
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	2/13/2001	ND	0.03	ug/l	0.1	0.03		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	7/25/2001	ND	0.03	ug/l	0.1	0.03		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	2/13/2002	ND	0.03	ug/l	0.1	0.03		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	2/19/2003	ND	0.03	ug/l	0.1	0.03		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	8/10/2004	ND	0.03	ug/l	0.1	0.03		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	2/9/2005	ND	0.05	ug/l	0.1	0.05		120
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1221	8/10/2005	ND	0.05	ug/l	0.1	0.05		120
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	2/13/2001	ND	0.04	ug/l	0.1	0.04		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	7/25/2001	ND	0.04	ug/l	0.1	0.04		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	2/13/2002	ND	0.04	ug/l	0.1	0.04		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	2/19/2003	ND	0.04	ug/l	0.1	0.04		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	8/10/2004	ND	0.04	ug/l	0.1	0.04		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	2/9/2005	ND	0.06	ug/l	0.1	0.06		121
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1232	8/10/2005	ND	0.06	ug/l	0.1	0.06		121
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	2/9/2005	ND	0.04	ug/l	0.1	0.04		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	8/10/2005	ND	0.04	ug/l	0.1	0.04		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	2/13/2001	ND	0.05	ug/l	0.1	0.05		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	7/25/2001	ND	0.05	ug/l	0.1	0.05		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	2/19/2003	ND	0.05	ug/l	0.1	0.05		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	8/10/2004	ND	0.05	ug/l	0.1	0.05		122
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1242	2/13/2002	ND	0.08	ug/l	0.1	0.08		122
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	2/13/2001	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	7/25/2001	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	2/13/2002	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	2/19/2003	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	8/10/2004	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	2/9/2005	ND	0.05	ug/l	0.1	0.05		123
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1248	8/10/2005	ND	0.05	ug/l	0.1	0.05		123
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	8/10/2005	ND	0.03	ug/l	0.1	0.03		124
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	2/13/2001	ND	0.05	ug/l	0.1	0.05		124
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	7/25/2001	ND	0.05	ug/l	0.1	0.05		124
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	2/13/2002	ND	0.05	ug/l	0.1	0.05		124
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	2/19/2003	ND	0.05	ug/l	0.1	0.05		124
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	8/10/2004	ND	0.05	ug/l	0.1	0.05		124



# 1 **Pacifica Calera Creek's Metals, Cyanide, and Organics Data (September 2001 to December 2005)**

2

3	<u>PermitTitle</u>	<u>Description</u>	<u>Pollutant</u>	<u>Date</u>	<u>Qualifier</u>	<u>Value</u>	<u>Unit</u>	<u>ML</u>	<u>MDL</u>	<u>RDL</u>	<u>CTR</u>
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1254	2/9/2005	ND	0.06	ug/l	0.1	0.06		124
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	2/9/2005	ND	0.06	ug/l	0.1	0.06		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	8/10/2005	ND	0.06	ug/l	0.1	0.06		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	2/13/2001	ND	0.07	ug/l	0.1	0.07		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	7/25/2001	ND	0.07	ug/l	0.1	0.07		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	2/13/2002	ND	0.07	ug/l	0.1	0.07		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	2/19/2003	ND	0.07	ug/l	0.1	0.07		125
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCB-1260	8/10/2004	ND	0.07	ug/l	0.1	0.07		125
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/9/2005	ND	0.15	ug/l	0.5	0.15		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	8/10/2005	ND	0.15	ug/l	0.5	0.15		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/13/2002	ND	0.2	ug/l	0.5	0.2		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/13/2001	ND	0.4	ug/l	1	0.4		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	7/25/2001	ND	0.4	ug/l	0.5	0.4		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/19/2003	ND	0.4	ug/l	0.5	0.4		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	8/10/2004	ND	0.4	ug/l	0.5	0.4		126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	7/24/2001	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/12/2002	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/18/2003	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/10/2004	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/8/2005	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	8/9/2005	ND	0.5	ug/l				126
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Toxaphene	2/12/2001	ND	1	ug/l				126
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	2/12/2001	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	7/24/2001	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	2/18/2003	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	2/10/2004	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	8/10/2004	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	2/8/2005	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	8/9/2005	ND	0.7	ug/l				
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	PCBs (Total)	2/12/2002	ND	0.7	ug/l				
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorpyrifos	2/9/2005	ND	0.028	ug/l	0.05	0.028		B
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorpyrifos	8/10/2005	ND	0.03	ug/l	0.05	0.03		B
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorpyrifos	8/10/2004	ND	0.04	ug/l	0.05	0.04		B
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorpyrifos	2/13/2002	ND	0.12	ug/l	0.5	0.12		B
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Chlorpyrifos	2/19/2003	ND	0.2	ug/l	0.5	0.2		B
#											
#											
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diazinon	2/9/2005	ND	0.037	ug/l	0.05	0.037		C
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diazinon	8/10/2004	ND	0.04	ug/l	0.05	0.04		C
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diazinon	8/10/2005	ND	0.04	ug/l	0.05	0.04		C
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diazinon	2/19/2003	ND	0.3	ug/l	0.6	0.3		C
#	Pacifica Calera Creek	E-001 Eff Daily Maximum	Diazinon	2/13/2002	ND	0.32	ug/l	0.6	0.32		C

[illegible]

**City of Pacifica (Permit CA0038776)**  
**Applicable Water Quality Objectives/Criteria**  
**May 2006**

# in CTR	PRIORITY POLLUTANTS	Lowest (most stringent) Criteria <sup>e</sup>	Most Stringent Criteria			Basin Plan Criteria								CTR Water Quality Criteria								Factors for Metals				Conversion Factor (CF)				Site-Specific Translators	
			Human Health Criterion	Lowest Chronic Criterion	Lowest Acute Criterion	Shallow Water	Deep Water (24-hr)	Freshwater Aquatic Life (from Table 3-4)				Saltwater Aquatic Life (from Table 3-3)				Freshwater		Saltwater		Human Health for consumption of:		Freshwater Criteria				Conversion Factor (CF)				Site-Specific Translators	
								4-day	1-hr	24-hr	Inst. Max	4-day	1-hr	24-hr	Inst. Max	CMC (acute)	CCC (chronic)	CMC (acute)	CCC (chronic)	Water & organisms	Organisms only	m acute	b acute	m chronic	b chronic	freshwater acute criteria	freshwater chronic criteria	saltwater acute criteria	saltwater chronic criteria	Acute	Chronic
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L										
68	Bis(2-Ethylhexyl)Phthalate	5.9	5.90000																												
69	4-Bromophenyl Phenyl Ether	No Criteria																													
70	Butylbenzyl Phthalate	5200	5200.00000																												
71	2-Chloronaphthalene	4300	4300.00000																												
72	4-Chlorophenyl Phenyl Ether	No Criteria																													
73	Chrysene	0.049	0.04900																												
74	Dibenzo(a,h)Anthracene	0.049	0.04900																												
75	1,2-Dichlorobenzene	17000	17000.00000																												
76	1,3-Dichlorobenzene	2600	2600.00000																												
77	1,4-Dichlorobenzene	2600	2600.00000																												
78	3,3'-Dichlorobenzidine	0.077	0.07700																												
79	Diethyl Phthalate	120000	120000.00000																												
80	Dimethyl Phthalate	2900000	2900000.00000																												
81	Di-n-Butyl Phthalate	12000	12000.00000																												
82	2,4-Dinitrotoluene	9.1	9.10000																												
83	2,6-Dinitrotoluene	No Criteria																													
84	Di-n-Octyl Phthalate	No Criteria																													
85	1,2-Diphenylhydrazine	0.54	0.54000																												
86	Fluoranthene	370	370.00000																												
87	Fluorene	14000	14000.00000																												
88	Hexachlorobenzene	0.00077	0.00077																												
89	Hexachlorobutadiene	50	50.00000																												
90	Hexachlorocyclopentadiene	17000	17000.00000																												
91	Hexachloroethane	8.9	8.90000																												
92	Indeno(1,2,3-cd) Pyrene	0.049	0.04900																												
93	Isophorone	600	600.00000																												
94	naphthalene	No Criteria																													
95	Nitrobenzene	1900	1900.00000																												
96	N-Nitrosodimethylamine	8.1	8.10000																												
97	N-Nitrosodi-n-Propylamine	1.4	1.40000																												
98	N-Nitrosodiphenylamine	16	16.00000																												
99	Phenanthrene	No Criteria																													
100	Pyrene	11000	11000.00000																												
101	1,2,4-Trichlorobenzene	No Criteria																													
102	Aldrin	0.00014	0.00014		3.00000											3										0.00014					
103	alpha-BHC	0.013	0.01300																							0.013					
104	beta-BHC	0.046	0.04600																							0.046					
105	gamma-BHC	0.063	0.06300		0.95000											0.95										0.063					
106	delta-BHC	No Criteria																													
107	Chlordane	0.00059	0.00059	0.00430	2.40000											2.4	0.0043									0.00059					
108	4,4-DDT	0.00059	0.00059	0.00100	1.10000											1.1	0.001									0.00059					
109	4,4-DDE	0.00059	0.00059																								0.00059				
110	4,4-DDD	0.00084	0.00084																								0.00084				
111	Dieldrin	0.00014	0.00014	0.05600	0.24000											0.24	0.056									0.00014					
112	alpha-Endosulfan	0.056	240.00000	0.05600	0.22000											0.22	0.056									240					
113	beta-Endosulfan	0.056	240.00000	0.05600	0.22000											0.22	0.056									240					
114	Endosulfan Sulfate	240	240.00000																								240				
115	Endrin	0.036	0.81000	0.03600	0.08600											0.086	0.036									0.81					
116	Endrin Aldehyde	0.81	0.81000																								0.81				
117	Heptachlor	0.00021	0.00021	0.00380	0.52000											0.52	0.0038									0.00021					
118	Heptachlor Epoxide	0.00011	0.00011	0.00380	0.52000											0.52	0.0038									0.00011					
119-125	PCBs sum (2)	0.00017	0.00017	0.01400													0.014									0.00017					
126	Toxaphene	0.0002	0.00075	0.00020	0.73000											0.73	0.0002									0.00075					
	Tributyltin	No Criteria																													
	Total PAHs	No Criteria																													
Notes:																															
(1)	PCBs sum refers to sum of PCB 1016, 1221, 1232, 1242, 1248, 1254, and 1260																														



**City of Pacifica  
Data Input for RPA  
May 2006**

Green highlight checks for input inconsistency (see "input check" spreadsheet for logic)

Yellow highlights are user input

CTR No.	Constituent name	EFFLUENT DATA					BACKGROUND DATA (B)					7) Review other information in the SIP page 4. If information is unavailable or insufficient: 8) the RWQCB shall establish interim monitoring requirements.
		Effluent Data Available (Y/N)?	Are all data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant effluent detected max conc (ug/L)	Input Check	B Available (Y/N)?	Are all B non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the Detected Maximum Background Conc (ug/L)	Input Check	
1	Antimony	Y	N		0.5		Y	Y		0.3	Check input	
2	Arsenic	Y	N		1.6		Y	N		1.2		
3	Beryllium	Y	Y	0.1			Y	Y		0.06	Check input	No Criteria
4	Cadmium	Y	N		0.12		Y	N		0.36		
5a	Chromium (III)	Y	N		1		Y	N		9.4		
5b	Chromium (VI)	Y	N		6		Y	N		2		
6	Copper	Y	N		12		Y	N		7		
7	Lead	Y	N		0.54		Y	N		5.4		
8	Mercury	Y	N		0.0377		Y	N		0.013		
9	Nickel	Y	N		5.4		Y	N		10		
10	Selenium	Y	N		1.2		Y	N		1		
11	Silver	Y	N		0.07		Y	Y	0.1			
12	Thallium	Y	N		0.2		Y	Y		0.1	Check input	
13	Zinc	Y	N		62		Y	N		370		
14	Cyanide	Y	N		5.2		Y	N		2.9		
15	Asbestos	N					N					No Criteria
16	Dioxin-TEQ	Y	N		1.57E-09		Y	N		0		
17	Acrolein	Y	N		3		Y	Y	0.5			
18	Acrylonitrile	Y	Y	0.33			Y	Y	0.33			
19	Benzene	Y	Y	0.03			Y	Y	0.03			
20	Bromoform	Y	Y	0.03			Y	Y	0.03			
21	Carbon Tetrachloride	Y	Y	0.04			Y	Y	0.04			
22	Chlorobenzene	Y	Y	0.03			Y	Y	0.03			
23	Chlorodibromomethane	Y	Y	0.03			Y	Y	0.03			
24	Chloroethane	Y	Y	0.03			Y	Y	0.03			No Criteria
25	2-Chloroethylvinyl ether	Y	Y	0.1			Y	Y	0.1			No Criteria
26	Chloroform	Y	N		1.5		Y	Y	0.04			No Criteria
27	Dichlorobromomethane	Y	Y	0.04			Y	Y	0.04			
28	1,1-Dichloroethane	Y	Y	0.04			Y	Y	0.04			No Criteria
29	1,2-Dichloroethane	Y	Y	0.04			Y	Y	0.04			
30	1,1-Dichloroethylene	Y	Y	0.06			Y	Y	0.06			
31	1,2-Dichloropropane	Y	Y	0.03			Y	Y	0.03			
32	1,3-Dichloropropylene	Y	Y	0.03			Y	Y	0.03			
33	Ethylbenzene	Y	Y	0.04			Y	Y	0.04			
34	Methyl Bromide	Y	Y	0.05			Y	Y	0.05			
35	Methyl Chloride	Y	Y	0.04			Y	Y	0.04			No Criteria
36	Methylene Chloride	Y	N		0.2		Y	Y	0.07			
37	1,1,2,2-Tetrachloroethane	Y	Y	0.04			Y	Y	0.04			
38	Tetrachloroethylene	Y	Y	0.06			Y	Y	0.06			
39	Toluene	Y	N		0.07		Y	Y	0.06			
40	1,2-Trans-Dichloroethylene	Y	Y	0.05			Y	Y	0.05			
41	1,1,1-Trichloroethane	Y	Y	0.03			Y	Y	0.03			No Criteria
42	1,1,2-Trichloroethane	Y	Y	0.05			Y	Y	0.05			
43	Trichloroethylene	Y	N		0.07		Y	Y	0.05			
44	Vinyl Chloride	Y	Y	0.05			Y	Y	0.05			
45	2-Chlorophenol	Y	Y	0.4			Y	Y	0.4			
46	2,4-Dichlorophenol	Y	Y	0.3			Y	Y	0.3			
47	2,4-Dimethylphenol	Y	Y	0.3			Y	Y	0.3			
48	2-Methyl- 4,6-Dinitrophenol	Y	Y	0.4			Y	Y	0.4			
49	2,4-Dinitrophenol	Y	Y	0.3			Y	Y	0.3			
50	2-Nitrophenol	Y	Y	0.3			Y	Y	0.3			No Criteria
51	4-Nitrophenol	Y	Y	0.2			Y	Y	0.2			No Criteria
52	3-Methyl 4-Chlorophenol	Y	Y	0.3			Y	Y	0.3			No Criteria
53	Pentachlorophenol	Y	Y	0.4			Y	Y	0.4			
54	Phenol	Y	Y	0.2			Y	Y	0.2			
55	2,4,6-Trichlorophenol	Y	Y	0.2			Y	Y	0.2			
56	Acenaphthene	Y	Y	0.026			Y	Y	0.029			
57	Acenaphthylene	Y	Y	0.019			Y	Y	0.019			No Criteria
58	Anthracene	Y	Y	0.026			Y	Y	0.029			
59	Benzidine	Y	Y	0.3			Y	Y	0.3			
60	Benzo(a)Anthracene	Y	Y	0.019			Y	Y	0.019			
61	Benzo(a)Pyrene	Y	Y	0.019			Y	Y	0.019			
62	Benzo(b)Fluoranthene	Y	Y	0.026			Y	Y	0.029			
63	Benzo(ghi)Perylene	Y	Y	0.026			Y	Y	0.029			No Criteria
64	Benzo(k)Fluoranthene	Y	Y	0.037			Y	Y	0.038			
65	Bis(2-Chloroethoxy)Methane	Y	Y	0.3			Y	Y	0.3			No Criteria
66	Bis(2-Chloroethyl)Ether	Y	Y	0.3			Y	Y	0.3			
67	Bis(2-Chloroisopropyl)Ether	Y	Y	0.3			Y	Y	0.6			
68	Bis(2-Ethylhexyl)Phthalate	Y	N		15		Y	Y	0.3			
69	4-Bromophenyl Phenyl Ether	Y	Y	0.4			Y	Y	0.4			No Criteria

**City of Pacifica  
Data Input for RPA  
May 2006**

CTR No.	Constituent name	EFFLUENT DATA					BACKGROUND DATA (B)					7) Review other information in the SIP page 4. If information is unavailable or insufficient: 8) the RWQCB shall establish interim monitoring requirements.
		Effluent Data Available (Y/N)?	Are all data points non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant effluent detected max conc (ug/L)	Input Check	B Available (Y/N)?	Are all B non-detects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the Detected Maximum Background Conc (ug/L)	Input Check	
70	Butylbenzyl Phthalate	Y	Y	0.4			Y	Y	0.4			
71	2-Chloronaphthalene	Y	Y	0.3			Y	Y	0.3			
72	4-Chlorophenyl Phenyl Ether	Y	Y	0.4			Y	Y	0.4			No Criteria
73	Chrysene	Y	Y	0.037			Y	Y	0.038			
74	Dibenzo(a,h)Anthracene	Y	Y	0.028			Y	Y	0.029			
75	1,2-Dichlorobenzene	Y	N		0.05		Y	Y	0.03			
76	1,3-Dichlorobenzene	Y	N		0.2		Y	Y	0.03			
77	1,4-Dichlorobenzene	Y	N		0.14		Y	Y	0.06			
78	3,3-Dichlorobenzidine	Y	Y	0.2			Y	Y	0.3			
79	Diethyl Phthalate	Y	Y	0.4			Y	Y	0.4			
80	Dimethyl Phthalate	Y	Y	0.4			Y	Y	0.4			
81	Di-n-Butyl Phthalate	Y	Y	0.4			Y	Y	0.4			
82	2,4-Dinitrotoluene	Y	Y	0.3			Y	Y	0.3			
83	2,6-Dinitrotoluene	Y	Y	0.3			Y	Y	0.3			No Criteria
84	Di-n-Octyl Phthalate	Y	Y	0.4			Y	Y	0.4			No Criteria
85	1,2-Diphenylhydrazine	Y	Y	0.3			Y	Y	0.3			
86	Fluoranthene	Y	Y	0.028			Y	Y	0.029			
87	Fluorene	Y	Y	0.02			Y	Y	0.02			
88	Hexachlorobenzene	Y	Y	0.4			Y	Y	0.4			
89	Hexachlorobutadiene	Y	Y	0.2			Y	Y	0.2			

**City of Pacifica  
Data Input for RPA  
May 2006**

CTR No.	Constituent name	EFFLUENT DATA					BACKGROUND DATA (B)					7) Review other information in the SIP page 4. If information is unavailable or insufficient: 8) the RWQCB shall establish interim monitoring requirements.
		Effluent Data Available (Y/N)?	Are all data points non-defects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant effluent detected max conc (ug/L)	Input Check	B Available (Y/N)?	Are all B non-defects (Y/N)?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the Detected Maximum Background Conc (ug/L)	Input Check	
90	Hexachlorocyclopentadiene	Y	Y	0.1			Y	Y	0.1			
91	Hexachloroethane	Y	Y	0.2			Y	Y	0.2			
92	Indeno(1,2,3-cd)Pyrene	Y	Y	0.029			Y	Y	0.029			
93	Isophorone	Y	Y	0.3			Y	Y	0.3			
94	Naphthalene	Y	Y	0.019			Y	Y	0.019			
95	Nitrobenzene	Y	Y	0.3			Y	Y	0.3			No Criteria
96	N-Nitrosodimethylamine	Y	Y	0.4			Y	Y	0.4			
97	N-Nitrosodi-n-Propylamine	Y	Y	0.3			Y	Y	0.3			
98	N-Nitrosodiphenylamine	Y	Y	0.4			Y	Y	0.4			
99	Phenanthrene	Y	Y	0.029			Y	Y	0.029			No Criteria
100	Pyrene	Y	Y	0.029			Y	Y	0.029			
101	1,2,4-Trichlorobenzene	Y	Y	0.3			Y	Y	0.3			No Criteria
102	Aldrin	Y	Y	0.003			Y	Y	0.0029			
103	alpha-BHC	Y	Y	0.002			Y	Y	0.002			
104	beta-BHC	Y	Y	0.001			Y	Y	0.001			
105	gamma-BHC	Y	Y	0.001			Y	Y	0.001			
106	delta-BHC	Y	Y	0.001			Y	Y	0.001			No Criteria
107	Chlordane	Y	Y	0.005			Y	Y	0.005			
108	4,4'-DDT	Y	Y	0.001			Y	Y	0.001			
109	4,4'-DDE	Y	Y	0.001			Y	Y	0.001			
110	4,4'-DDD	Y	Y	0.001			Y	Y	0.001			
111	Dieldrin	Y	Y	0.002			Y	Y	0.0019			
112	alpha-Endosulfan	Y	Y	0.002			Y	Y	0.0019			
113	beta-Endosulfan	Y	Y	0.001			Y	Y	0.001			
114	Endosulfan Sulfate	Y	Y	0.001			Y	Y	0.001			
115	Endrin	Y	Y	0.002			Y	Y	0.0019			
116	Endrin Aldehyde	Y	Y	0.002			Y	Y	0.002			
117	Heptachlor	Y	Y	0.003			Y	Y	0.0029			
118	Heptachlor Epoxide	Y	Y	0.002			Y	Y	0.0019			
119-125	PCBs sum	Y	Y	0.03			Y	Y	0.029			
126	Toxaphene	Y	Y	0.15			Y	Y	0.14			
	Tributyltin	N					Y	Y			Check input	
	Total PAHs	N					Y	Y				
	Chlorpyrifos	N					Y	Y				
	Diazinon	N					Y	Y				

Notes:

City of Pacifica (Permit CA0038776)  
Reasonable Potential Analysis Results  
May 2006

Beginning		Step 2	Step 3					Step 4	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7 & 8	Combined Effluent Final Result, Flow Weighted Averages			Maximum Daily Effluent Limits (MDEL) (ug/l)	Average Monthly Effluent Limits (AMEL) (ug/l)		
		C (ug/L)	Effluent Data Available?	Are all data points non-detects?	Minimum MDL (ug/L) if all data ND	Enter the pollutant effluent max conc (ug/L) if all data points are ND and MDL<C, interim monitoring is required	Maximum Pollutant Concentration (MEC) (ug/L)	MEC vs. C	(MEC<=detected max value: if all ND & MDL<C then MEC = MDL)	Y if MEC >= C, effluent limitation is required; 2. MEC<C, go to Step 5	Background Data Available?	Are all B data points non-detects?	If all data points ND Enter the min detection limit (MDL) (ug/L)	Enter the pollutant B detected max conc (ug/L)	If all B is ND, is MDL<C? (If Y, Go To Step 7)	B vs. C	7) Review other information in the SIP page 4. If other information indicates limits are required. If information is unavailable or insufficient, 8) the RWQCB shall establish interim monitoring requirements.			RPA Result	Reason
1	Antimony	4300	Y	N		0.5		MEC<C, go to Step 5	Y	Y	0		N	No detected value of B, Step 7	N						
2	Arsenic	150	Y	N		1.6		MEC<C, go to Step 5	Y	Y	0	1.2	N	B<C, Step 7	N						
3	Beryllium	No Criteria	Y	Y	0.1		No Criteria	No Criteria	Y	Y	0		N	No Criteria	Uo	No - No Criteria					
4	Cadmium	1.37687187	Y			0.12		MEC<C, go to Step 5	Y	Y		0.36	N	B<C, Step 7	N						
5a	Chromium (III)	253.360351	Y	N		1		MEC<C, go to Step 5	Y	Y		9.4	N	B<C, Step 7	N						
5b	Chromium (VI)	11.4345114	Y	N		6		MEC<C, go to Step 5	Y	Y		2	N	B<C, Step 7	N						
6	Copper	11.520	Y	N		12		Y	Y	Y		7	N	B<C, Step 7	Y	MEC >= C [12.000 ug/l vs 11.520 ug/l]	16.37	10.20			
7	Lead	4.35634889	Y	N		0.54		MEC<C, go to Step 5	Y	Y		5.4	N	Y	Y	B > C [5.400 ug/l vs 4.356 ug/l]	5.97	3.92			
8	Mercury	0.025	Y	N		0.0377		Y	Y	Y		0.013	N	B<C, Step 7	Y	MEC >= C [0.038 ug/l vs 0.025 ug/l]	0.0462	0.0170			
9	Nickel	64.2780114	Y	N		5.4		MEC<C, go to Step 5	Y	Y		10	N	B<C, Step 7	N						
10	Selenium	5	Y	N		1.2		MEC<C, go to Step 5	Y	Y		1	N	B<C, Step 7	N						
11	Silver	6.20584788	Y	N		0.07		MEC<C, go to Step 5	Y	Y	0.1		N	No detected value of B, Step 7	N						
12	Thallium	6.3	Y	N		0.2		MEC<C, go to Step 5	Y	Y	0		N	No detected value of B, Step 7	N						
13	Zinc	147.691441	Y	N		62		MEC<C, go to Step 5	Y	Y		5.1	N	B<C, Step 7	N						
14	Cyanide	5.2	Y	N		5.2		Y	Y	Y		2.9	N	B<C, Step 7	Y	MEC >= C [5.200 ug/l vs 5.200 ug/l]	7.76285	4.50072			
15	Asbestos	No Criteria	N			0	No Criteria	No Criteria						No Criteria	Uo	No - No Criteria					
16	2,3,7,8-TCDD	1.4E-08	Y	Y	0.00000036				Y	Y	0.00000035		Y	No detected value of B, Step 7	N						
	dioxin-TEQ	1.4E-08	Y	N		1.57E-09		MEC<C, go to Step 5	Y	Y		0	N	B<C, Step 7	Y	RP by Trigger III and Staff BPJ	0.00000003	0.00000001			
17	Acrolein	750	Y	N		0		MEC<C, go to Step 5	Y	Y	0.5		N	No detected value of B, Step 7	N						
18	Acrylonitrile	0.86	Y	Y	0.33		MDL<=C, MDL=MEC	0.33	MEC<C, go to Step 5	Y	Y	0.33	N	No detected value of B, Step 7	N						
19	Benzene	71	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
20	Bromofom	360	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
21	Carbon Tetrachloride	4.4	Y	Y	0.04		MDL<=C, MDL=MEC	0.04	MEC<C, go to Step 5	Y	Y	0.04	N	No detected value of B, Step 7	N						
22	Chlorobenzene	21000	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
23	Chlorodibromomethane	34	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
24	Chloroethane	No Criteria	Y	Y	0.03		No Criteria	0.03	No Criteria	N			N	No Criteria	No Criteria	Uo	No - No Criteria				
25	2-Chloroethylvinyl ether	No Criteria	Y	Y	0.1		No Criteria	0.1	No Criteria	N			N	No Criteria	No Criteria	Uo	No - No Criteria				
26	Chloroform	No Criteria	Y	N		1.5	No Criteria	1.5	No Criteria	N			N	No Criteria	No Criteria	Uo	No - No Criteria				
27	Dichlorobromomethane	46	Y	Y	0.04		MDL<=C, MDL=MEC	0.04	MEC<C, go to Step 5	Y	Y	0.04	N	No detected value of B, Step 7	N						
28	1,1-Dichloroethane	No Criteria	Y	Y	0.04		No Criteria	0.04	No Criteria	N			N	No Criteria	No Criteria	Uo	No - No Criteria				
29	1,2-Dichloroethane	99	Y	Y	0.04		MDL<=C, MDL=MEC	0.04	MEC<C, go to Step 5	Y	Y	0.04	N	No detected value of B, Step 7	N						
30	1,1-Dichloroethylene	3.2	Y	Y	0.06		MDL<=C, MDL=MEC	0.06	MEC<C, go to Step 5	Y	Y	0.06	N	No detected value of B, Step 7	N						
31	1,2-Dichloropropane	39	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
32	1,3-Dichloropropylene	1700	Y	Y	0.03		MDL<=C, MDL=MEC	0.03	MEC<C, go to Step 5	Y	Y	0.03	N	No detected value of B, Step 7	N						
33	Ethylbenzene	29000	Y	Y	0.04		MDL<=C, MDL=MEC	0.04	MEC<C, go to Step 5	Y	Y	0.04	N	No detected value of B, Step 7	N						
34	Methyl Bromide	4000	Y	Y	0.05		MDL<=C, MDL=MEC	0.05	MEC<C, go to Step 5	Y	Y	0.05	N	No detected value of B, Step 7	N						
35	Methyl Chloride	No Criteria	Y	Y	0.04		No Criteria	0.04	No Criteria	Y	Y	0.04	N	No Criteria	No Criteria	Uo	No - No Criteria				
36	Methylene Chloride	1600	Y	N		0.2		MEC<C, go to Step 5	Y	Y	0.07		N	No detected value of B, Step 7	N						
37	1,1,2,2-Tetrachloroethane	11	Y	Y	0.04		MDL<=C, MDL=MEC	0.04	MEC<C, go to Step 5	Y	Y	0.04	N	No detected value of B, Step 7	N						
38	Tetrachloroethylene	8.85	Y	Y	0.06		MDL<=C, MDL=MEC	0.06	MEC<C, go to Step 5	Y	Y	0.06	N	No detected value of B, Step 7	N						
39	Toluene	200000	Y	N		0.07		MEC<C, go to Step 5	Y	Y	0.06		N	No detected value of B, Step 7	N						
40	1,2-Trans-Dichloroethylene	140000	Y	Y	0.05		MDL<=C, MDL=MEC	0.05	MEC<C, go to Step 5	Y	Y	0.05	N	No detected value of B, Step 7	N						
41	1,1,1-Trichloroethane	No Criteria	Y	Y	0.03		No Criteria	0.03	No Criteria	Y	Y	0.03	N	No Criteria	No Criteria	Uo	No - No Criteria				
42	1,1,2-Trichloroethane	42	Y	Y	0.05		MDL<=C, MDL=MEC	0.05	MEC<C, go to Step 5	Y	Y	0.05	N	No detected value of B, Step 7	N						
43	Trichloroethylene	81	Y	N		0.07		MEC<C, go to Step 5	Y	Y	0.05		N	No detected value of B, Step 7	N						
44	Vinyl Chloride	525	Y	Y	0.05		MDL<=C, MDL=MEC	0.05	MEC<C, go to Step 5	Y	Y	0.05	N	No detected value of B, Step 7	N						
45	2-Chlorophenol	400	Y	Y	0.4		MDL<=C, MDL=MEC	0.4	MEC<C, go to Step 5	Y	Y	0.4	N	No detected value of B, Step 7	N						
46	2,4-Dichlorophenol	790	Y	Y	0.3		MDL<=C, MDL=MEC	0.3	MEC<C, go to Step 5	Y	Y	0.3	N	No detected value of B, Step 7	N						
47	2,4-Dimethylphenol	2300	Y	Y	0.3		MDL<=C, MDL=MEC	0.3	MEC<C, go to Step 5	Y	Y	0.3	N	No detected value of B, Step 7	N						
48	2-Methyl-4,6-Dinitrophenol	765	Y	Y	0.4		MDL<=C, MDL=MEC	0.4	MEC<C, go to Step 5	Y	Y	0.4	N	No detected value of B, Step 7	N						
49	2,4-Dinitrophenol	14000	Y	Y	0.3		MDL<=C, MDL=MEC	0.3	MEC<C, go to Step 5	Y	Y	0.3	N	No detected value of B, Step 7	N						
50	2-Nitrophenol	No Criteria	Y	Y	0.3		No Criteria	0.3	No Criteria	Y	Y	0.3	N	No Criteria	No Criteria	Uo	No - No Criteria				
51	4-Nitrophenol	No Criteria	Y	Y	0.2		No Criteria	0.2	No Criteria	Y	Y	0.2	N	No Criteria	No Criteria	Uo	No - No Criteria				
52	3-Methyl 4-Chlorophenol	No Criteria	Y	Y	0.3		No Criteria	0.3	No Criteria	Y	Y	0.3	N	No Criteria	No Criteria	Uo	No - No Criteria				
53	Pentachlorophenol	8.2	Y	Y	0.4		MDL<=C, MDL=MEC	0.4	MEC<C, go to Step 5	Y	Y	0.4	N	No detected value of B, Step 7	N						
54	Phenol	4600000	Y	Y	0.2		MDL<=C, MDL=MEC	0.2	MEC<C, go to Step 5	Y	Y	0.2	N	No detected value of B, Step 7	N						
55	2,4,6-Trichlorophenol	6.5	Y	Y	0.2		All ND MDL<=C, MDL=MEC	0.2	MEC<C, go to Step 5	Y	Y	0.2	N	No detected value of B, Step 7	N						
56	Acenaphthene	2700	Y	Y	0.028		All ND MDL<=C, MDL=MEC	0.028	MEC<C, go to Step 5	Y	Y	0.028	N	No detected value of B, Step 7	N						
57	Acenaphthylene	No Criteria	Y	Y	0.019		No Criteria	0.019	No Criteria	Y	Y	0.019	N	No Criteria	No Criteria	Uo	No - No Criteria				
58	Anthracene	110000	Y	Y	0.028		All ND MDL<=C, MDL=MEC	0.028	MEC<C, go to Step 5	Y	Y	0.029	N	No detected value of B, Step 7	N						
59	Benidine	0.00054	Y	Y	0.3		MDL > C, Go To Step 5		Y	Y	0.3	Y	N	No detected value of B, Step 7	N						
60	Benz[a]Anthracene	0.049	Y	Y	0.019		All ND MDL<=C, MDL=MEC	0.019	MEC<C, go to Step 5	Y	Y	0.019	N	No detected value of B, Step 7	N						
61	Benzofluoranthene	0.049	Y	Y	0.019		All ND MDL<=C, MDL=MEC	0.019	MEC<C, go to Step 5	Y	Y	0.019	N	No detected value of B, Step 7	N						
62	Benzofluoranthene	0.049																			

**City of Pacifica (Permit CA0038776)**  
**Reasonable Potential Analysis Results**  
**May 2006**

Beginning		Step 2	Step 3			Step 4	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 & 8	Combined Effluent Final Result, Flow Weighted Averages			
	C (µg/L) Lowest (most stringent) Criteria (Enter "No Criteria" for no criteria)	Effluent Data Available?	Are all data points non-detects?	Minimum MDL (µg/L) if all data ND	Enter the pollutant effluent detected max conc (µg/L)  If all data points are ND and MinDL-C, interim monitoring is required	Maximum Pollutant Concentration (MEC) (µg/L)  MEC vs. C  (MEC= detected max value; if all ND & MDL-C then MEC = MDL)	Y if MEC >= C, effluent limitation is required. 2 if MEC-C, go to Step 5	Background Data Available?	Are all B data points non-detects?	If all data points ND Enter the min detection limit (MDL) (µg/L)	Enter the pollutant B detected max conc (µg/L) (If Y, Go To Step 7)	If B-C, effluent limitation is required	7) Review other information in the SIP page 4. Y if other information indicates limits are required. If information is unavailable or insufficient, 8) the RWQCB shall establish interim monitoring requirements.	RPA Result	Reason	Maximum Daily Effluent Limits (MDL) (µg/l)	Average Monthly Effluent Limits (AMEL) (µg/l)
78	3,3-Dichlorobenzene	0.077	Y	0.2	MDL > C, Go To Step 5				Y	0.3	Y	N	No detected value of B, Step 7	N			
79	Diethyl Phthalate	120000	Y	0.4	All ND MDL<=C, MDL=MEC	0.4	MEC-C, go to Step 5	Y	Y	0.4	N	N	No detected value of B, Step 7	N			
80	Dimethyl Phthalate	290000	Y	0.4	All ND MDL<=C, MDL=MEC	0.4	MEC-C, go to Step 5	Y	Y	0.4	N	N	No detected value of B, Step 7	N			
81	Di-n-Butyl Phthalate	12000	Y	0.4	All ND MDL<=C, MDL=MEC	0.4	MEC-C, go to Step 5	Y	Y	0.4	N	N	No detected value of B, Step 7	N			
82	2,4-Dinitrotoluene	9.1	Y	0.3	All ND MDL<=C, MDL=MEC	0.3	MEC-C, go to Step 5	Y	Y	0.3	N	N	No detected value of B, Step 7	N			
83	2,6-Dinitrotoluene	No Criteria	Y	0.3	No Criteria	0.3	No Criteria	Y	Y	0.3	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
84	Di-n-Octyl Phthalate	No Criteria	Y	0.4	No Criteria	0.4	No Criteria	Y	Y	0.4	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
85	1,2-Diphenylhydrazine	0.54	Y	0.3	All ND MDL<=C, MDL=MEC	0.3	MEC-C, go to Step 5	Y	Y	0.3	N	N	No detected value of B, Step 7	N			
86	Fluorene	370	Y	0.028	All ND MDL<=C, MDL=MEC	0.028	MEC-C, go to Step 5	Y	Y	0.028	N	N	No detected value of B, Step 7	N			
87	Fluorene	14000	Y	0.02	All ND MDL<=C, MDL=MEC	0.02	MEC-C, go to Step 5	Y	Y	0.02	N	N	No detected value of B, Step 7	N			
88	Hexachlorobenzene	0.00077	Y	0.4	MDL > C, Go To Step 5			Y	Y	0.4	Y	N	No detected value of B, Step 7	N			
89	Hexachlorobutadiene	50	Y	0.2	All ND MDL<=C, MDL=MEC	0.2	MEC-C, go to Step 5	Y	Y	0.2	N	N	No detected value of B, Step 7	N			
90	Hexachlorocyclopentadiene	17000	Y	0.1	All ND MDL<=C, MDL=MEC	0.1	MEC-C, go to Step 5	Y	Y	0.1	N	N	No detected value of B, Step 7	N			
91	Hexachloroethane	8.9	Y	0.2	All ND MDL<=C, MDL=MEC	0.2	MEC-C, go to Step 5	Y	Y	0.2	N	N	No detected value of B, Step 7	N			
92	Indeno(1,2,3-cd)Pyrene	0.049	Y	0.028	All ND MDL<=C, MDL=MEC	0.028	MEC-C, go to Step 5	Y	Y	0.028	N	N	No detected value of B, Step 7	N			
93	Isothorone	600	Y	0.3	All ND MDL<=C, MDL=MEC	0.3	MEC-C, go to Step 5	Y	Y	0.3	N	N	No detected value of B, Step 7	N			
94	Naphthalene	No Criteria	Y	0.019	No Criteria	0.019	No Criteria	Y	Y	0.019	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
95	Nitrobenzene	1900	Y	0.3	All ND MDL<=C, MDL=MEC	0.3	MEC-C, go to Step 5	Y	Y	0.3	N	N	No detected value of B, Step 7	N			
96	N-Nitrosodimethylamine	8.1	Y	0.4	All ND MDL<=C, MDL=MEC	0.4	MEC-C, go to Step 5	Y	Y	0.4	N	N	No detected value of B, Step 7	N			
97	N-Nitrosodipropylamine	1.4	Y	0.3	All ND MDL<=C, MDL=MEC	0.3	MEC-C, go to Step 5	Y	Y	0.3	N	N	No detected value of B, Step 7	N			
98	N-Nitrosodiphenylamine	18	Y	0.4	All ND MDL<=C, MDL=MEC	0.4	MEC-C, go to Step 5	Y	Y	0.4	N	N	No detected value of B, Step 7	N			
99	Phenanthrene	No Criteria	Y	0.028	No Criteria	0.028	No Criteria	Y	Y	0.028	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
100	Pyrene	11000	Y	0.028	All ND MDL<=C, MDL=MEC	0.028	MEC-C, go to Step 5	Y	Y	0.028	N	N	No detected value of B, Step 7	N			
101	1,2,4-Trichlorobenzene	No Criteria	Y	0.3	No Criteria	0.3	No Criteria	Y	Y	0.3	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
102	Aldrin	0.00014	Y	0.003	MDL > C, Go To Step 5			Y	Y	0.0029	Y	N	No detected value of B, Step 7	N			
103	alpha-BHC	0.013	Y	0.002	All ND MDL<=C, MDL=MEC	0.002	MEC-C, go to Step 5	Y	Y	0.002	N	N	No detected value of B, Step 7	N			
104	beta-BHC	0.046	Y	0.001	All ND MDL<=C, MDL=MEC	0.001	MEC-C, go to Step 5	Y	Y	0.006	N	N	No detected value of B, Step 7	N			
105	gamma-BHC	0.063	Y	0.001	All ND MDL<=C, MDL=MEC	0.001	MEC-C, go to Step 5	Y	Y	0.001	N	N	No detected value of B, Step 7	N			
106	delta-BHC	No Criteria	Y	0.001	No Criteria	0.001	No Criteria	Y	Y	0.001	N	N	No Criteria	No Criteria	Uo	Uo - No Criteria	
107	Chlordane	0.00059	Y	0.005	MDL > C, Go To Step 5			Y	Y	0.005	Y	N	No detected value of B, Step 7	N			
108	4,4'-DDE	0.00059	Y	0.001	MDL > C, Go To Step 5			Y	Y	0.001	Y	N	No detected value of B, Step 7	N			
109	4,4'-DDE (linked to DDT)	0.00059	Y	0.001	MDL > C, Go To Step 5			Y	Y	0.001	Y	N	No detected value of B, Step 7	N			
110	4,4'-DDD	0.00084	Y	0.001	MDL > C, Go To Step 5			Y	Y	0.001	Y	N	No detected value of B, Step 7	N			
111	Dieldrin	0.00014	Y	0.002	MDL > C, Go To Step 5			Y	Y	0.0019	Y	N	No detected value of B, Step 7	N			
112	alpha-Endosulfan	0.056	Y	0.002	All ND MDL<=C, MDL=MEC	0.002	MEC-C, go to Step 5	Y	Y	0.0019	N	N	No detected value of B, Step 7	N			
113	beta-Endosulfan	0.056	Y	0.001	All ND MDL<=C, MDL=MEC	0.001	MEC-C, go to Step 5	Y	Y	0.001	N	N	No detected value of B, Step 7	N			
114	Endosulfan Sulfate	240	Y	0.001	All ND MDL<=C, MDL=MEC	0.001	MEC-C, go to Step 5	Y	Y	0.001	N	N	No detected value of B, Step 7	N			
115	Endrin	0.036	Y	0.002	All ND MDL<=C, MDL=MEC	0.002	MEC-C, go to Step 5	Y	Y	0.0019	N	N	No detected value of B, Step 7	N			
116	gamma Alddehyde	0.41	Y	0.002	All ND MDL<=C, MDL=MEC	0.002	MEC-C, go to Step 5	Y	Y	0.0029	Y	N	No detected value of B, Step 7	N			
117	Heptachlor	0.00021	Y	0.003	MDL > C, Go To Step 5			Y	Y	0.0029	Y	N	No detected value of B, Step 7	N			
118	Heptachlor Epoxide	0.00011	Y	0.002	MDL > C, Go To Step 5			Y	Y	0.0019	Y	N	No detected value of B, Step 7	N			
119-125	PCBs sum (2)	0.00017	Y	0.03	MDL > C, Go To Step 5			Y	Y	0.029	Y	N	No detected value of B, Step 7	N			
126	Toxaphene	0.0002	Y	0.15	MDL > C, Go To Step 5			Y	Y	0.14	Y	N	No detected value of B, Step 7	N			
	Tributyltin	No Criteria	N	0	No Effluent Data			Y	Y	0	N	N	No detected value of B, Step 7	N			
	Total PAHs	No Criteria	N	0	No Effluent Data						N	N	No detected value of B, Step 7	0	N		
Acronyms in the "Final Result" column: Uo: Cannot determine reasonable potential due to the absence of data, or because Minimum DL is greater than water quality objective or CTR criteria																	
Use No criteria available if interim monitoring is required.																	

Calculation of Coefficients of Variation

Copper (CTR 6)					Mercury (CTR 8)					Cyanide (CTR 14)					Dioxin-TEQ (CTR 16-TEQ )					Bis-2 Ethyl Hexyl Phthalate (CTR 68)					Lead (CTR 7)				
2	Date	Qual	Value	Calc Value	LN Value	Date	Qual	Value	Calc Value	LN Value	Date	Qual	Value	Calc Value	Date	Qual	Value (pg/L)	Value (ug/L)		Date	Qual	Value	Calc Value	Date	Qual	Value	Calc Value	LN Value	
3	8/20/2002		2.8	2.8	1.029619417	4/9/2001	ND	0.01	0.005	-5.298317367	3/5/2001	ND	3	1.5	2/12/2002		0.00	0.00E+00		02/13/2001	ND	0.3	0.15	9/11/2001	ND	0.25	0.125	-2.079441542	
4	4/6/2004		2.9	2.9	1.064710737	5/8/2001	ND	0.02	0.01	-4.605170186	6/4/2001	ND	3	1.5	2/18/2003		0.00	0.00E+00		10/31/2002	ND	0.8	0.4	1/11/2005	J	0.12	0.12	-2.120263536	
5	3/9/2004		3.2	3.2	1.16315081	5/14/2002	J	0.0002	0.0002	-8.517193191	8/7/2001	ND	3	1.5	2/10/2004		0.00	0.00E+00		02/10/2004	ND	0.8	0.4	12/9/2003	J	0.15	0.15	-1.897119985	
6	8/7/2001		3.3	3.3	1.193922468	10/9/2001		0.0003	0.0003	-8.111728083	9/18/2001	ND	3	1.5	2/9/2005		0.00	0.00E+00		07/25/2001	J	2	2	4/15/2003	J	0.18	0.18	-1.714798428	
7	10/22/2002		3.4	3.4	1.223775432	1/13/2003		0.0016	0.0016	-6.43775165	12/25/2001	ND	3	1.5	7/24/2001		0.586	5.86E-07		02/13/2002	J	5	5	1/13/2004	J	0.19	0.19	-1.660731207	
8	2/12/2002		3.5	3.5	1.252762968	11/11/2003		0.0017	0.0017	-6.377127028	6/18/2002	ND	3	1.5	% ND		80%			08/06/2003	J	4	4	1/13/2003	J	0.2	0.2	-1.609437912	
9	1/11/2005		3.5	3.5	1.252762968	4/15/2003		0.0019	0.0019	-6.265901393	8/20/2002	ND	3	1.5	Average					8/10/2005	J	0.8	0.8	4/12/2005	J	0.21	0.21	-1.560647748	
10	1/10/2006		3.5	3.5	1.252762968	6/10/2003		0.0019	0.0019	-6.265901393	11/19/2002	ND	3	1.5	Stand Dev					02/19/2003		10	10	7/12/2005	J	0.21	0.21	-1.560647748	
11	9/17/2002		3.6	3.6	1.280933845	3/19/2002		0.002	0.002	-6.214608098	8/12/2003	ND	3	1.5	Coeff Var		0.6			08/10/2004		9	9	1/10/2006	J	0.21	0.21	-1.560647748	
12	12/9/2003		3.6	3.6	1.280933845	5/13/2003		0.002	0.002	-6.214608098	9/9/2003	ND	3	1.5						2/10/2005		15	15	1/15/2002	J	0.22	0.22	-1.514127733	
13	4/12/2005		3.6	3.6	1.280933845	7/8/2003		0.002	0.002	-6.214608098	6/8/2004	ND	3	1.5											3/8/2005	J	0.22	0.22	-1.514127733
14	10/1/2005		3.9	3.9	1.360976553	1/10/2006		0.0022	0.0022	-6.119297919	4/12/2005	ND	3	1.5											10/11/2005	J	0.22	0.22	-1.514127733
15	11/19/2002		4	4	1.386294361	10/7/2003		0.0023	0.0023	-6.074846156	1/9/2001	ND	5	2.5											12/13/2005	J	0.22	0.22	-1.514127733
16	1/13/2004		4	4	1.386294361	3/9/2004		0.0023	0.0023	-6.074846156	4/9/2001	ND	5	2.5											3/13/2003	J	0.23	0.23	-1.46967597
17	8/9/2005		4.2	4.2	1.435084525	2/12/2002		0.0024	0.0024	-6.032286542	5/7/2001	ND	5	2.5	% ND		70%			5/10/2005	J	0.7	0.7	5/10/2005	J	0.23	0.23	-1.46967597	
18	12/18/2001		4.4	4.4	1.481604541	6/7/2005		0.0024	0.0024	-6.032286542	7/16/2001	ND	5	2.5	Average								4.68	12/17/2002	J	0.24	0.24	-1.427116356	
19	5/11/2004		4.4	4.4	1.481604541	4/6/2004		0.0025	0.0025	-5.991464547	10/9/2001	ND	5	2.5	Stand Dev					2/10/2004	J		5.09	2/10/2004	J	0.24	0.24	-1.427116356	
20	6/8/2004		4.5	4.5	1.504077397	1/15/2002		0.0028	0.0028	-5.878135862	5/14/2002	J	1	1	Coeff Var								3/9/2004	J	0.24	0.24	-1.427116356		
21	11/6/2001		4.6	4.6	1.526056303	10/22/2002		0.0028	0.0028	-5.878135862	2/18/2003	J	1.1	1.1						5/13/2003	J			5/13/2003	J	0.246	0.246	-1.402423743	
22	11/15/2002		4.6	4.6	1.526056303	11/6/2001		0.0029	0.0029	-5.843044542	3/9/2004	J	1.1	1.1						2/18/2003	J			2/18/2003	J	0.249	0.249	-1.390302383	
23	3/19/2002		4.6	4.6	1.526056303	12/18/2001		0.0031	0.0031	-5.776353167	12/17/2002	J	1.2	1.2						5/11/2004	J			5/11/2004	J	0.25	0.25	-1.386294361	
24	2/10/2004		4.6	4.6	1.526056303	1/13/2004		0.0031	0.0031	-5.776353167	5/13/2003	J	1.4	1.4						8/9/2005	J			8/9/2005	J	0.25	0.25	-1.386294361	
25	6/7/2005		4.6	4.6	1.526056303	2/18/2003		0.0032	0.0032	-5.744604469	3/8/2005	J	1.4	1.4						12/18/2001	J			12/18/2001	J	0.15	0.15	-1.897119985	
26	7/12/2005		4.6	4.6	1.526056303	2/10/2004		0.0032	0.0032	-5.744604469	7/16/2002	J	1.5	1.5						3/5/2001				3/5/2001		0.16	0.16	-1.832581464	
27	11/1/2003		4.7	4.7	1.547562509	4/12/2005		0.0032	0.0032	-5.744604469	1/15/2002	J	1.7	1.7						11/19/2002				11/19/2002		0.25	0.25	-1.386294361	
28	12/13/2005		4.7	4.7	1.547562509	8/7/2001		0.0033	0.0033	-5.713832811	2/12/2002	J	1.7	1.7						4/6/2004				4/6/2004		0.25	0.25	-1.386294361	
29	4/9/2001		4.8	4.8	1.568615918	12/9/2003		0.0033	0.0033	-5.713832811	10/7/2003	J	1.7	1.7						5/8/2001				5/8/2001		0.26	0.26	-1.347073648	
30	9/9/2003		4.8	4.8	1.568615918	12/17/2002		0.0034	0.0034	-5.683979847	1/13/2004	J	1.7	1.7						6/10/2003				6/10/2003		0.27	0.27	-1.30933332	
31	11/15/2005		4.8	4.8	1.568615918	7/16/2002		0.0035	0.0035	-5.65499231	3/13/2003	J	1.9	1.9						10/7/2003				10/7/2003		0.27	0.27	-1.30933332	
32	3/8/2005		4.9	4.9	1.589235205	5/11/2004		0.0035	0.0035	-5.65499231	3/19/2002	J	2	2						10/26/2004				10/26/2004		0.27	0.27	-1.30933332	
33	3/5/2001		5	5	1.609437912	6/8/2004		0.0035	0.0035	-5.65499231	8/10/2004	J	2	2						12/7/2004				12/7/2004		0.27	0.27	-1.30933332	
34	8/12/2003		5.1	5.1	1.62924054	11/15/2005		0.0035	0.0035	-5.65499231	10/22/2002	J	2.1	2.1						2/12/2002				2/12/2002		0.28	0.28	-1.272965676	
35	12/7/2004		5.1	5.1	1.62924054	11/19/2002		0.0036	0.0036	-5.626821434	12/9/2003	J	2.1	2.1						2/5/2001				2/5/2001		0.29	0.29	-1.237874356	
36	9/11/2001		5.3	5.3	1.667706821	12/13/2005		0.0037	0.0037	-5.599422459	2/10/2004	J	2.1	2.1						7/10/2001				7/10/2001		0.29	0.29	-1.237874356	
37	12/17/2002		5.3	5.3	1.667706821	10/11/2005		0.0038	0.0038	-5.572754212	1/10/2006	J	2.1	2.1						11/6/2001				11/6/2001		0.29	0.29	-1.237874356	
38	7/8/2003		5.3	5.3	1.667706821	3/5/2001		0.004	0.004	-5.521460918	1/13/2003	J	2.4	2.4						5/14/2002				5/14/2002		0.29	0.29	-1.237874356	
39	10/26/2004		5.3	5.3	1.667706821	8/12/2003		0.004	0.004	-5.521460918	12/13/2005	J	2.4	2.4						6/18/2002				6/18/2002		0.29	0.29	-1.237874356	
40	10/7/2003		5.4	5.4	1.686398954	12/7/2004		0.004	0.004	-5.521460918	7/12/2005	J	2.5	2.5						11/15/2005				11/15/2005		0.29	0.29	-1.237874356	
41	1/9/2001		5.6	5.6	1.722766598	7/10/2001		0.0041	0.0041	-5.496768305	9/28/2004	J	2.6	2.6						7/16/2002				7/16/2002		0.3	0.3	-1.203972804	
42	5/10/20																												

City of Pacifica (Permit CA0038776)  
 WQBEL Calculations  
 May 2006

[illegible]

**City of Pacifica (Permit CA0038776)**  
**Compliance Feasibility Analysis**  
**May 2006**

CTR No.	Analyte	Number of Samples	Number of NDs	Percent ND	Lowest Criteria (ug/L)	MEC (ug/L)	Background Maximum Concentration (ug/L)	Reason	Best Fit Distribution	Sample Mean	Sample Standard Deviation	95 <sup>th</sup> vs. AMEL	99 <sup>th</sup> vs. MDEL	Mean vs. LTA	Feasible to Comply?	Limit from Previous Permit and Type, If Available <sup>(4)</sup>	Interim Limit (PBEL) <sup>(6)</sup> , If Necessary
6	Copper	60	0	0%	11.5	12	7	MEC => C [12.000 ug/l vs 11.520 ug/l ]	Log-Normal	1.653	0.331	9.0 < 10.2	11.3 < 16.4	5.5 < 7.7	Yes	9.3	
7	Lead	59	22	37%	4.4	0.54	5.4	B > C [5.400 ug/l vs 4.356ug/l]	Log-Normal	-1.369	0.349	0.45 < 3.9	0.6 < 6.0	0.28 < 3.072	Yes	3.2	
8	Mercury	59	3	5%	0.025	0.0377	0.013	MEC => C [0.038 ug/l vs 0.025 ug/l ]	Log-Normal	-5.564	0.848	0.0155 < 0.0170	0.0276 < 0.0462	0.0056 < 0.0079	Yes	0.025	
14	Cyanide	59	42	71%	5.2	5.2	2.9	MEC => C [5.200 ug/l vs 5.200 ug/l ]	Normal	2.10	1.42	4.4 < 5	5.4 < 6.4	2.1 < 3.2	Yes	5.2	
16-TEQ	Dioxin-TEQ	5	4	80%	1.40E-08	1.57E-09	None available	RP by Trigger III and Staff BPJ	n/a	n/a	n/a	<sup>(1)</sup>	<sup>(1)</sup>	<sup>(2)</sup>	<sup>(5)</sup>	<sup>(3)</sup>	<sup>(5)</sup>
68	Bis(2-Ethylhexyl)Phthalate	10	7	70%	5.9	15	<0.3	MEC => C [15.000000 ug/l vs 5.900000 ug/l ]	Normal	4.2	5.57	13.4 > 6	17.2 > 14	<sup>(2)</sup>	No	<sup>(3)</sup>	20.9

**Notes:**

Effluent data for the RPA is from January 2001 to January 2006. Background data was supplied by the City of Pacifica for three discharge sampling locations. Data from the "upper discharge" sampling location was used for background data.

Qualified Data Handling - "J" or "DNQ" qualified data are used at the estimated value for determining MEC and for calculating mean and standard deviation. The mean and standard deviation are then used to calculate the coefficient of variation and 95th, 99th, and 99.87th percentile concentrations. However, "J" and "DNQ" qualified data are considered "ND" when calculating percent non-detect.

All values in ug/L.

When results for an analyte are found to be log-normally distributed, the sample mean and standard deviation are expressed using transformed (natural log conversion) data. The 95th, 99th, and PBEL values have been converted back into real concentrations.

The mean of non-transformed data is compared to LTA, since it is the best estimate of a true average. Converting the transformed mean back to the original scale will not accurately estimate the true average, because of transformation bias.

Mean and standard deviation values for Cyanide and Bis(2-Ethylhexyl)Phthalate are calculated with using Minitab macro "mdlnorm2".

n/a Not applicable. Not enough data to calculate.

ND Not detected in background data

(1) No comparison possible. Not enough data.

(2) No LTA for this analyte.

(3) Previous permit did not include effluent limits for this pollutant.

(4) Previous limits from Pacifica NPDES Permit are Maximum Daily Effluent Limitations

(5) As the previous permit did not include an effluent limitation for dioxin-TEQ and there is insufficient data to calculate an interim limit for this pollutant, the Regional Board's position regarding these circumstances is to include only a final limitation for dioxin-TEQ in the reissued permit.

(6) Based on the 99.87 percentile performance level (i.e., the 99.87 percentile of observed effluent concentrations)

(7) Since there is not sufficient data to calculate a 95<sup>th</sup> and 99<sup>th</sup> percentile concentration. Feasibility to comply is determined by comparing the MEC (5.2ug/L) to the AMEL (4.5) and

(8) As the previous permit did not include an effluent limitation for Bis (2-Ethylhexyl) Phthlate and there is insufficient data to calculate an interim limit for this pollutant, the Regional



Calculation of Coefficients of Variation

0.3	-1.20397	2	0.693147
0.8	-0.22314	5	1.609438
0.8	-0.22314	4	1.386294
		0.8	-0.22314
		10	2.302585
		9	2.197225
		15	2.70805

## **ATTACHMENT G – STANDARD PROVISIONS AND REPORTING REQUIREMENTS**

The Standard Provisions and Reporting Requirements, August 1993, are part of this Order but are not physically attached due to volume. They are available on the Internet at:

<http://www.waterboards.ca.gov/sanfranciscobay/Download.htm>.

- Letter of August 6, 2001 from the Regional Water Board to all Dischargers, Requirement for Monitoring of Pollutants in Effluent and Receiving Water to Implement New Statewide Regulations and Policy
- Resolution 74-10, Policy Regarding Waste Discharger's Responsibility to Develop and implement Contingency Plans to Assure Continuous Operation of facilities for the Collection, Treatment, and Disposal of Waste.
- Self-Monitoring Program Part A (August 1993)
- Standard Provisions and Reporting Requirements for NPDES Surface Water Dischargers (August 1993)